Construction News

CONSTRUCTION WORK PROVIDED FOR IN NAVAL APPROPRIATION BILL

Much attention has been paid by the press to the unusually large appropriations carried by the Naval Bill signed by the President on Aug. 29, but it is perhaps not realized that a large sum is set aside by the Bill for the permanent improvement of the various Navy Yards and Stations. Outside of the construction of vessels the largest single item is $11,000,000 for an armor plant at a site not yet fixed of which necessarily a large part will be spent for construction and equipment of buildings. The projectile plant, $705,611, and the experimental laboratory, $1,500,000, both of which will be situated in all probability in Washington involve a great deal of construction work, but as yet no plans have been made. The same comment applies to the unprecedented appropriation of $6,000,000 which is placed at the disposal of the Secretary for improving and equipping the navy yards at Puget Sound, Philadelphia, Norfolk, New York, Boston, Portsmouth and Charleston, for the construction of vessels.

It is estimated by the Bureau of Yards and Docks, which will have charge of all the construction work under the Navy Bill, that approximately $22,000,000 will be expended for such work. Of this amount $8,350,875 covers public works specifically appropriated for the construction of which the Bureau of Yards and Docks is now making plans. It is the intention to have all of this amount contracted for within the next six months, most of it within three.

Taking the projects up by each Navy Yard, the construction work planned is as follows, with approximate time when the advertisement will be issued:

Boston, air compressor plant, $37,500, advertisement in about a month.

New York, paving, $10,000, to be advertised immediately, and general distributing system, $15,000, advertisement during October.

Philadelphia, dry dock, limit of cost, $3,500,000, of which $500,000 is made available at once, to be advertised for in about six weeks; dredging, $25,000, advertisement before January; and as soon as the land necessary can be condemned an addition to the Marine Quartermaster Depot on South Broad St., costing $175,000.

Washington, storage building, $65,000, advertisement in three months, and at a later date a gun shop building, to cost $600,000, upon land not yet procured.

Norfolk, dry dock, similar to the one at Philadelphia, and to cost the same amount, plans practically finished and ready to advertise, and a structural shop to cost eventually $1,000,000, bids for part of which were opened Sept. 2.

Charleston, dredging Cooper River, approach to the Navy Yard, $175,000.

Pensacola, $420,000 is appropriated to cover the repairs necessary to buildings and equipment on account of the recent storms, of which $250,000 will be used for new piers, advertisement about December.

New Orleans, $150,000 is appropriated for similar repairs.

Mare Island, erecting shop, $70,000, advertisement in about six weeks; a 250-ton floating crane, to cost $600,000, for which plans are now finished, advertisement to be issued immediately; dredging, $50,000.

Newport Torpedo Station, quarters, $105,000, and sea wall, $50,000, both to be advertised for in about three months.

A further sum of $280,000 is appropriated for construction of various storehouses and smaller buildings at the Navy Yards and Stations, for which plans are practically ready, advertisements to be issued separately within the next few months.

The Bureau of Yards and Docks will also have charge of any building work incidental to the work of other bureaus, for example in connection with the $3,500,000 appropriation for aircraft, and the amount appropriated for ordnance, smokeless powder and ammunition.

BUILDING OPERATIONS FOR AUGUST

Following is a list of contracts awarded, published by the F. W. Dodge Company:

Throughout the states of New England, New York, New Jersey, Pennsylvania, Maryland, Delaware, District of Columbia, Virginia, Ohio, West Virginia, Illinois, Indiana, Iowa, Wisconsin, Michigan, Minnesota, North and South Dakota, and portions of Missouri and Eastern Kansas,

Jan. 1 to Sept. 1,	1916	$838,024,922
	1915	598,619,600
	1914	531,915,200
	1913	616,067,000
	1912	558,820,000
	1911	539,256,313
	1910	589,175,910

Contracts awarded from New York State and Northern New Jersey,

Jan. 1 to Sept. 1,	1916	$145,085,500
	1915	101,629,000
	1914	91,632,000
	1913	196,256,000
	1912	169,247,000
	1911	165,930,000
	1910	180,359,500

These figures show throughout the entire territory covered by this company an increase of $222,000,000 over the next highest year, which is 1913, but the figures do not show as well for the territory of New York State and northern New Jersey, as the years from 1910 to 1913 all had more contracts awarded than in 1916. Contracts awarded in the entire territory for August amounted to $142,019,617 against $114,421,660 for July, or an increase of about $28,000,000 over the previous month. In the smaller territory of New York and northern Jersey the contracts awarded amounted to $40,948,000 against $29,215,000 in July, or an increase of almost $12,000,000.

IRON AND STEEL

Cast-Iron Pipe—The following are prices per net ton for carload lots:

	New York	Birmingham	Chicago	St. Louis	San Francisco
4 in.	$33.50	$28.00	$33.50	$34.00	$45.60
6 in. and over	30.50	25.00	30.50	31.00	42.60

Gas pipe in 16-ft. lengths are $1 per ton extra.

Pig Iron—Below are the present quotations, with a comparison of a month and a year ago:

	Sept. 7, 1916	One Month Ago	One Year Ago
CINCINNATI			
No. 2 Southern foundry	$16.90	$16.90@17.90	$13.90@14.40
No. 2 Northern foundry	19.26	19.76@20.26	16.26@16.51
NEW YORK			
No. 2X Northern foundry	19.50@19.75	19.75@20.25	15.50@15.75
No. 2 plain Northern foundry	19.25@19.50	19.50@20.00	15.25@15.50
No. 2 Southern foundry†	19.25@19.75	19.50@20.00	15.75@16.00
BIRMINGHAM			
No. 2 Southern foundry	14.00	14.00	11.00@11.50
CHICAGO			
No. 2 Northern foundry	18.00	19.00	13.50@14.00
PITTSBURGH			
Bessemer iron*	21.95	21.95	16.45
Basic iron*	18.95	18.95	15.45

*These prices include the freight charge from the valley to the Pittsburgh district. †Delivered tidewater, New York.

Track Supplies—The following prices are base per 100 lb. f.o.b. Pittsburgh for carload lots, together with the warehouse prices at the places named:

	Pittsburgh Sept. 7, 1916	Pittsburgh One Year Ago	Chicago	St. Louis	San Francisco
Standard railroad spikes	$2.65@2.70	$1.60	$3.25	$3.25	$4.60
Track bolts	3.25@3.50	1.90@2.00	4.05	Premium	5.15
Standard section angle bars	2.00	.....	....	Premium	2.95@3.05

Structural Material—The following are the base prices f.o.b. mill, Pittsburgh, together with the quotations per 100 lb. from warehouses at the places named:

	Pittsburgh	St. Louis	New York	Chicago	San Francisco
Beams, 3 to 15 in.	$2.60@2.75	$3.15	$3.25	$3.10	$4.55
Channels, 3 to 15 in.	2.60@2.75	3.15	3.25	3.10	4.55
Angles, 3 to 6 in., ¼ in. thick	2.60@2.75	3.15	3.25	3.10	4.55
Tees, 3 in. and larger	2.60@2.75	3.15	3.30	3.10	4.55
Plates	3.50@4.00	3.55	4.00	3.50	5.05

Extras on other shapes and sizes in cents per lb. are as follows:

I-beams over 15 in.	.10
H-beams over 18 in.	.10
Angles over 6 in., on one or both legs	.10
Angles, 3 in. on one or both legs less than ¼ in. thick	.70
Tees, structural sizes (except elevator, handrail, car truck and conductor rail)	.05
Channels and tees, under 3 in. wide	.20 to .80
Handrail tees	.75
Cutting to lengths, under 3 ft. to 2 ft inclusive	.25
Cutting to lengths, under 2 ft. to 1 ft. inclusive	.50
Cutting to lengths, under 1 ft.	1.55

No charge is made for cutting to lengths 3 ft. and over.

Old Material—The prices following are per gross ton paid to dealers and producers in New York. In Chicago and St. Louis and vicinity, the quotations are per net ton and cover delivery at the buyer's works, including frenght transfer charges:

	New York Sept. 7, 1916	New York One Month Ago	New York One Year Ago
Heavy melting steel scrap	$11.75@12.00	$12.00@12.25	$12.00@12.25
No. 1 railroad wrought	18.50@18.75	18.00@18.50	13.50@14.00
Stove plate	11.50@12.00	12.00@12.25	9.75@10.00
No. 1 machinery cast	16.00@16.50	16.00@16.25	12.75@13.00
Machine shop turnings	4.25@ 4.50	4.50@ 5.00	7.50@ 7.75
Cast borings	6.75@ 7.00	7.50@ 7.75	.....
Railroad malleable cast	12.00@12.50	12.25	.....

	Chicago Sept. 7, 1916	Chicago One Month Ago	Chicago One Year Ago
No. 1 railroad wrought	$15.50@16.00	$15.25@15.75	$11.00@11.50
Stove plate	9.25@ 9.75	9.25@ 9.75	.....
No. 1 machinery cast	11.50@12.00	11.50@12.00	.....
Machine shop turnings	5.50@ 6.00	5.50@ 6.00	.....
Cast borings	6.25@ 6.75	6.00@ 6.50	.....
Railroad malleable cast	11.25@11.75	11.25@11.75	10.50@11.00

	St. Louis Sept. 7, 1916	St. Louis One Month Ago
Heavy melting steel scrap	$15.50@16.00*	$14.50@15.00
No. 1 railroad wrought	15.75@16.25†	15.00@15.50
Stove plate	9.00@ 9.50†	7.50@ 8.00
No. 1 machinery cast	11.25@11.75†	10.25@10.75
Machine shop turnings	7.25@ 7.75†	6.25@ 6.75
Cast borings	6.75@ 7.00†	5.75@ 6.25
Railroad malleable cast	11.00@11.50†	10.50@11.00

*Gross ton. †Per net ton.

Steel Rails—The following quotations are per 100 lb. f.o.b. Pittsburgh and Chicago for carload or larger lots. For less than carload lots 5c. per 100 lb. is charged extra:

	Pittsburgh Sept. 7, 1916	Chicago Sept. 7, 1916
Standard bessemer rails	$33.00	$33.00
Standard openhearth rails	35.00	35.00
Light rails, 8 to 10 lb.	50.00	43.00
Light rails, 12 to 14 lb.	49.00	42.00
Light rails, 25 to 45 lb	47.00	40.00

Bars, Concrete Reinforcing—The following quotations are per 100 lb.:

	Mill Shipment	Warehouse: New York, Sept. 7, 1916	New York, One Month Ago	St. Louis	Chicago	San Francisco
¾ and larger...	$2.60	$3.25	$3.25	$3.24	$3.10	$4.00
⅝	2.65	3.35	3.35	3.29	3.18	4.10
½	2.70	3.40	3.40	3.34	3.23	4.20
⅜	2.85	3.65	3.65	3.49	3.40	4.50
¼	3.10	4.00	4.00	3.74	3.75	5.00

Steel Sheet Piling—The following price is base per 100 lb. f.o.b. Pittsburgh, with a comparison of a month and a year ago:

Sept. 7, 1916	One Month Ago	One Year Ago
$2.50@2.60	$2.50	$1.55@1.60

Nails—The following quotations are per keg from warehouse:

	New York	St Louis	Chicago	San Francisco
Wire	$3.15	$3.05	$2.95	$3.50
Cut	3.15	2.95	2.95	3.85

Pipe—The following discounts are for carload lots f.o.b. Pittsburgh:

Butt Weld

Steel: Inches	Black	Galvanized	Iron: Inches	Black	Galvanized
¾ to 3.....	70%	55½%	¾ to 1½.....	60%	43%

Lap Weld

2	65%	50½%	1¼	48%	31%
2½ to 6.....	65%	53½%	1½	54%	38%
7 to 12.....	65%	49½%	2	55%	39%
13 and 16.....	63½%	....	2½ to 4.....	57%	42%
15	51%	....	4½ to 6.....	57%	42%
			7 to 12.....	56%	41%

Butt Weld, Extra Strong Plain Ends

¾ to 1½.....	68%	54½%	¾ to 1½.....	56%	41%
2 to 3.....	69%	55½%			

Lap Weld, Extra Strong Plain Ends

2	63%	49½%	1¼	50%	33%
2½ to 4.....	66%	52½%	1½	55%	39%
4½ to 6.....	65%	51½%	2	57%	42%
7 to 8.....	61%	45½%	2¼ to 4.....	59%	45%
9 to 12.....	56%	40½%	4½ to 6.....	58%	44%
			7 to 8.....	52½%	38%
			9 to 12.....	47%	33%

From warehouses at the places named the following discounts hold for steel pipe:

	Black: New York	Chicago	St. Louis
¾ to 3 in. butt welded.....	61%	63.8%	63.64%
3½ to 6 in. lap welded.....	64%	65.8%	63.64%
7 to 12 in. lap welded.....	55%	60.8%	60.64%

	Galvanized: New York	Chicago	St. Louis
¾ to 3 in. butt welded.....	41%	48.8%	43.14%
3½ to 6 in. lap welded.....	47%	50.8%	43.14%
7 to 12 in. lap welded.....	29%	44.8%	39.14%

Sheets—Quotations are in cents per pound in various cities from warehouse, also the base quotation from mill:

Blue Annealed	Large Lots, Pittsburgh	St. Louis	Chicago	San Francisco	New York
No. 10	3.00@3.25	3.45	3.25	5.00	4.25
No 12	3.05@3.00	3.50	3.30	5.05	4.30
No 14	3.10@3.35	3.55	3.35	5.10	4.35
Black					
Nos. 18 and 20.....	2.70@2.85	3.10	3.00	4.75	3.45
Nos. 22 and 24.....	2.75@2.90	3.15	3.05	4.80	3.50
No. 26	2.80@2.95	3.20	3.10	4.85	3.55
No. 27	2.85@3.00	3.25	3.15	4.90	3.60
No. 28	2.90@3.05	3.30	3.20	4.95	3.65
Galvanized					
No 10	3.15@3.25	5.30	4.70	5.19	...
No 12	3.25@3.35	5.30	4.70	5.24	4.10
No. 14	3.25@3.35	5.30	4.70	5.24	4.10
Nos. 18 and 20.....	3.50@3.60	5.30	4.90	5.54	4.40
Nos. 22 and 24.....	3.60@3.70	5.40	5.05	5.68	4.55
No. 26	3.75@3.85	5.40	5.20	5.83	4.70
No 27	4.00@4.10	5.40	5.35	5.98	4.85
No. 28	4.15@4.25	5.40	5.50	6.12	5.00

Chain—Quotations below are per 100 lb.:

In.	New York: Sept. 7, 1916	New York: One Year Ago	Chicago	San Francisco
5/16	$10.10	$7.50	$9.40	$13.50
¼	7.55	4.95	6.85	9.75
7/16	6.55	3.95	5.85	8.50
⅜	6.00	3.40	5.30	8.00
1/8	5.80	3.20	5.15	7.75
½ and 9/16	5.60	3.00	5.00	7.50
⅝ and 11/16	5.50	2.90	4.90	7.50
¾ and 13/16	5.40	2.80	4.80	7.25
⅞ and 15/16	5.30	2.70	...	7.10
1 to 1¼	5.20	2.60	...	7.00

EXTRAS TO ABOVE LIST PER 100 LB.

	For BB	For BBB
5/16 in. and ¼ in.....	$1.50	$2.00
7/16 in. and larger.....	1.25	1.75

Rivets—The following quotations are per 100 lb.:

Structural

	Mill, Pittsburgh	Warehouse: New York	Chicago	St. Louis	San Francisco
¾ and larger.....	$4.00	$5.25	$3.75	$4.05	$5.40
Cone Head Boiler					
¾ in. and larger.....	4.10	5.35	3.85	4.15	5.50
⅝ and 11/16.....	4.25	5.50	4.00	4.30	5.65
½ and 9/16.....	4.60	5.85	4.50	4.65	6.00

Lengths shorter than 1 in. take an extra of 50c. Lengths between 1 and 2 in. take an extra of 25c.

Triangle Mesh—Price per 100 sq.ft. for 4 in-mesh in carload lots:

Style No.	Cross-Sec. Area per Ft. Width	Plain: New York	St. Louis	Chicago	San Francisco	Galvanized: New York	St. Louis	San Francisco
4	0.102	$1.53	$1.58	$1.728	$2.01	$1.74	$1.80	$2.22
5	0.077	1.21	1.25	1.361	1.59	1.38	1.42	1.76
6	0.058	.96	.99	1.082	1.31	1.09	1.13	1.41
7	0.041	.75	.77	.847	1.03	.85	.88	1.14
23	0.170	2.56	2.65	2.89	3.27	2.92	3.01	3.65
24	0.142	2.20	2.29	2.545	2.82	2.51	2.60	3.13
25	0.124	1.95	2.03	2.204	2.51	2.23	2.30	2.78
26	0.110	1.76	1.85	2.008	2.31	2.03	2.10	2.56
27	0.085	1.46	1.51	1.65	1.91	1.66	1.72	2.11
28	0.066	1.21	1.25	1.324	1.59	1.38	1.42	1.76
29	0.049	.99	1.04	.972	1.35	1.13	1.18	1.46
31	0.261	3.76	3.91	5.245	4.80	4.29	4.44	5.33
32	0.225	3.27	3.39	4.726	4.18	3.73	3.85	4.64
33	0.196	2.91	3.02	3.484	3.71	3.32	3.43	4.12
34	0.140	2.24	2.32	2.562	2.88	2.55	2.64	3.19
35	0.109	1.78	1.85	2.001	2.31	2.03	2.10	2.56
36	0.075	1.31	1.37	1.342	1.72	1.50	1.55	1.91
38	0.380	5.36	5.57	6.067	6.77	6.12	6.32	7.52
39	0.325	4.62	4.80	5.824	5.85	5.27	5.45	6.50
40	0.283	4.05	4.20	5.462	5.12	4.62	4.77	5.69
41	0.208	3.13	3.21	4.533	3.96	3.52	3.65	4.40
42	0.151	2.34	2.44	2.654	3.03	2.67	2.77	3.37
43	0.101	1.67	1.73	1.992	2.19	1.90	1.97	2.42

Less than carload lots this material is about 10% higher.

Wire Rope—Discounts from list price on bright and galvanized are as follows:

	New York	St. Louis	Chicago	San Francisco
Galvanized	25—2½%	25—2½%	25—2½%	22½%
Bright	35—2½%	40—2½%	30—2½%	32½%

At this rate the net prices in New York for galvanized, 7 wires to strand, are as follows per 100 lb.:

Diameter, In.		Diameter, In.	
½	$4.40	1¼	$18.30
⅝	5.90	1⅜	20.80
¾	6.60	1½	25.60
⅞	9.50	1⅝	27.80
1	11.00	1¾	32.20

Expanded Metal Lath—Prices per 100 yd. for painted are as follows to contractors:

Gage	Weight	Carload: New York	Chicago	St. Louis	San Francisco
27	233	$18.00	....	$18.00	$16.00
26	250	19.00	$17.50	19.00	17.25
25	300	20.00	18.50	....	18.75
24	340	21.00	19.50	21.00	20.00
22	450	24.00	22.00	....	23.50

About 10% additional for smaller quantities. For galvanized, New York, add $8, and $5 for tuncan. Chicago, galvanized add $10, and $3 for tuncan San Francisco, galvanized add $10, and $4.50 for tuncan About 200% add in St. Louis for galvanized.

Freight Rates—On finished steel products in the Pittsburgh district, including plates, structural shapes, merchant steel, bars, pipe fittings, plain and galvanized wire nails, rivets, spikes, bolts, flat sheets (except planished), chains, etc., the following freight rates are effective in cents per 100 lb.:

Baltimore	15.40	Minneapolis	32.90
Boston	18.90	New Orleans	30.70
Buffalo	11.60	New York	16.90
Chicago	18.90	Pacific Coast (all rail).....	65.00
Cincinnati	15.80	Philadelphia	15.90
Cleveland	10.50	St. Louis	23.60
Denver	68.60	St. Paul	32.90
Kansas City	43.60		

CEMENT, BRICK AND STONE

Portland Cement—These prices are for barrels in carload lots in cotton bags; 10c. allowed for return of each bag:

	Sept. 7, 1916	One Month Ago	One Year Ago
New York	$1.72	$1.72	$1.57
Jersey City	1.66	1.66	1.51
Boston	1.92	1.92	1.72
Chicago	1.86	1.86	1.56
Pittsburgh	1.81	1.81	1.56
Cleveland	1.94	1.94	1.69
Detroit	1.90	1.90	1.65
Indianapolis	1.99	1.99	....
Toledo	1.99	1.99	....
Milwaukee	1.98	1.98	....
Minneapolis	2.13	2.13	1.83
Duluth	2.06	2.06	1.86
Peoria	1.94	1.94	....
Cedar Rapids	2.05	2.05	....
Davenport	1.95	1.95	....
St. Louis	1.85	1.85	....
San Francisco	2.30	2.30	....

Crushed Stone—Price for cargo or carload lots is as follows:

	1½ In.	¾ In.	
New York	$0.90	$0.95@1.00	cu.yd.
Chicago	.95	.95	cu.yd.
St. Louis	1.00	1.00	cu.yd.
San Francisco	1.25	1.25	cu.yd.

Curbing—Prices per linear foot are as follows:

New York	5x16	$0.40
	5x20	.45
Chicago	6x18	.45
St. Louis	5x16	.35
San Francisco	5x16	.75
	5x20	.85

Brick—The price per 1,000 in cargo or carload lots is as follows:

	Common		Paving
New York	$7.25	block	$26.50
		brick	17.25
Chicago	7.00		15.00
St. Louis, salmon	6.50		
St. Louis, selected	9.50	block	17.00
San Francisco	10.00	block	33.00

Sand and Gravel—Price for cargo or carload lots is as follows:

	Paving	Gravel 1½ In.	Gravel ¾ In.	Sand
New York	$1.25	$1.00	$1.10	$0.50 per cu.yd.
Chicago	....	1.15	1.15	1.15 per cu.yd.
St. Louis	....	.70	.70	.60 per cu.yd.
San Francisco	....	1.25	1.25	1.20 per cu.yd

Paving Stone—

New York	Manhattan	$2.40 sq.yd.
	Other boroughs	2.20 sq.yd.
Chicago	About 4x8x5 dressed	2.15 sq.yd.
	About 4x8x5 common	1.65 sq.yd.
San Francisco	Basalt block 4x7x8	58.00 per M

Flagging—

New York	Bronx	$0.17 sq.ft.
	Manhattan	.17 sq.ft.
	Queens	.18 sq.ft.
Chicago	18 in. wide, 5 ft. square	.60 lin.ft.

MISCELLANEOUS

Railway Ties—For fair-size orders, the following prices per tie hold:

	Material	7 In. by 9 In. by 8 Ft.	6 In. by 8 In. by 8 Ft.
New York	Yellow Pine	$1.05	$0.90
St. Louis	White Oak	.72	.61
Chicago	White Oak	.90	.80
San Francisco	Long Fir	.76	.51
San Francisco	Creosoted	1.34	.90

Lumber—Price per M in carload lots:

Square Edge and Sound Green

Southern Pine—New York:

	20 Ft. and Under	22-24 Ft.	26 Ft.	28 Ft.	30 Ft.	32 Ft.
3x 4 to 8x 8	$26.50	$27.50	$28.50	$28.50	$29.50	$29.50
3x10 to 10x10	27.50	28.50	29.50	29.50	30.50	30.50
3x12 to 12x12	31 00	32.00	33.00	33.00	34 00	34.00
3x14 to 6x14	33.00	34.00	35.00	35.00	36.00	36.00
7x14 to 14x14	33.00	34.00	35.00	35.00	36.00	36.00
3x16 to 6x16	35.00	36.00	38.00	38.00	40.00	40.00
7x16 to 16x16	35.00	36 00	38.00	38.00	40.00	40.00
3x18 to 8x18	38.00	39.00	41.00	41.00	43.00	43.00
9x18 to 18x18	38.00	39.00	41.00	41.00	43.00	43.00
4x20 to 20x20	41.00	42.00	44.00	44.00	46.00	46.00

Southern Pine—St. Louis:

3x 4 to 8x 8	$21.50	$22.50	$24 25	$24 28	$26.00	$26.00
3x10 to 10x10	22.50	23.50	25.25	25.25	27.00	27.00
3x12 to 12x12	24.00	25.00	26.50	26.50	28 50	28.50
3x14 to 6x14	25.00	26.00	27.50	27.50	29 50	29 50
7x14 to 14x14	25.00	26.00	27.50	27.50	29.50	29.50
3x16 to 6x16	27.00	28.00	29.50	29 50	31.50	31.50
7x16 to 16x16	27.00	28.00	29 50	29 50	31.50	31.50
3x18 to 8x18	29.00	30.00	32 00	32.00	24 00	34.00
8x18 to 18x18	29.00	30.00	32.00	32.00	24 00	34.00
4x20 to 20x20	31.25	32.25	34.25	36.25	36 25	36 25

Over 32 ft—Add $1 for each additional 2 ft in length up to 40 ft. for sizes 12x12 and under; for sizes over 12x12 add $2. For merchantable add $2 to sizes 10x10 and under. For prime add $2 to the price of merchantable for all sizes.

Rough Douglas Fir, No 1 Common—More than carload lots in San Francisco:

Size in Inches	15 Ft and Under	16 to 24 Ft.	25 to 32 Ft.
3 and 4x4	$14 50	$15.59	$16.31
3 and 4x6 and 8	14.50	14.86	15.59
6x6 to 8x8	14.86	15.59	17 04
3 and 4x10	14.50	15.59	16.31
6 and 8x10	15.22	15.95	15.95
10x10	15.22	15.22	16.67
3 and 4x12	14.50	15.59	16.31
6 and 8x12	15.59	16.31	16.31
10 and 12x12	15.22	15.22	16 67
3 and 4x14	15.22	16.67	17.40
6 and 8x14	16.31	17.04	17.04
7 and 9x14	17 04	17.76	17.76
10 and 12x14	15 22	15.22	17 40
14x14	15.22	15.22	16.67
3 and 4x16	15.95	17.76	18.49
6 and 8x16	17.40	18.12	18.12
7 and 9x16	18.12	18.85	18.85
10 and 12x16	16.67	16 67	18 12
14 and 16x16	15.22	15.22	16.67
3 and 4x18	16.67	18.85	20.30
6 and 8x18	17.76	19.57	19.57
7 and 9x18	18.49	20.30	20.30
10 and 12x18	17.40	17 40	18 85
14 and 16x18	15.95	15 95	17.40
18x18	16.67	16.67	18.12
3 and 4x20	15.95	19.94	21.39
6 and 8x20	19.21	21.02	21.02
10 and 12x20	18.12	18.12	19 57
14 and 16x20	16 67	16.67	18.12
18 and 20x20	17.40	17.40	18.85

Clay Drain Tile—The following prices are per 1,000 lin.ft.:

Size, In.	New York	St. Louis	Chicago	San Francisco
3	$24.80	$16.00	$15.00	$24 50
4	33.95	18.00	18.00	31.50
5	47.50	25.00	23.00	45.50
6	59.75	35.00	27 00	63.00
8	100.00	65.00	55.00	105.00

Sewer Pipe—The following prices are in cents per foot for carload lots:

Size, In.	New York Sept. 7, 1916	New York One Year Ago	St. Louis	Chicago	San Francisco
3	7.25	4.50	....	6.25	6.00
4	7.25	4.50	....	6.25	8.00
5	12.00	7.20	....	10 00	10.00
6	12 00	7 20	8.25	10.00	12.00
8	16.50	9.90	13.50	13.75	18.00
10	24.00	14.40	18.00	20 00	27.00
12	30.00	18.00	24.50	25.00	33.75
15	40 50	24.30	35.00	33.75	....
18	57 00	34.20	52.50	43.75	67.50
20	67.50	40.50	70 00	56.25	87.50
22	90.00	54.00	84.00	75.00	$1.05
24	97.50	58.50	$1.00	81.25	1.25
27	$1.665	$1.26	1.30	$1.35	....
30	2 035	1.54	1.70	1 65	....
33	2.625	2.06	2.25	2.19	....
36	2.94	2.31	2.50	2.45	....

Hollow Tile—Hollow building tile price per block in cents:

	New York	Chicago	St. Louis	San Francisco
4x12x12 in.	.065	.064	.054	.085
6x12x12 in.	.091	.09	.066	.115
8x12x12 in.	11	.11	.09	.17
10x12x12 in.	.13	.13	.15	.20
12x12x12 in.	.1625	.15	.18	.23

Fireproof partition blocks price per block in cents:

2x12x12 in.	.048	.04	.024	.055
3x12x12 in.	.048	.041	.036	.065
4x12x12 in.	.054	.044	.048	.07
6x12x12 in.	.072	.061	.066	.095
8x12x12 in.	...	.083	.085	.12

Above prices should be for more than carload lots.

Flue Lining—Price per foot in cents for carload lots:

	New York Sept. 7, 1916	New York One Year Ago	Chicago	St. Louis	San Francisco
4½x 8½ in.	9.80	6.70	10.00	11.00	12.00
4½x13 in.	12.60	9.00	14.00	15 00	18.00
6 x12 in.	11 20	....	....	....	....
8 x 8½ in.	12.60	9.00	14.00	14.00	16.00
8½x18 in.	25.20	18.00	30.00	28.00	30.00
13 x18 in.	23.80	24.00	40.00	40.00	40.00
14 x16 in.	33 60	....	....	....	....
16 x16 in.	....	....	....	....	60.00
18 x18 in.	56.00	40.00	50.00	60.00	....

Asphaltum—Price per ton in packages:

	Brand	
New York	Mexican	$19.50
Chicago	Mexican	21.50
Kansas City	Mexican	21.50
Denver	California	21.50
San Francisco	California	11.50

Wood Block Paving—

Chicago	4 in. block 16 lb. treatment	$1.85 sq.yd.
St. Louis	3½ in. block 16 lb. treatment	1.46 sq.yd.

Linseed Oil—These prices are per gallon:

	New York Sept. 7, 1916	New York Three Months Ago	Cleveland Sept. 7, 1916	Cleveland Three Months Ago	Chicago Sept. 7, 1916	Chicago Three Months Ago
Raw in barrels	$0.75	$0.73	$0.79	$0.75	$0.75	$0.78
5-gal. cans	.85	.83	.89	.85	.85	.88

White and Red Lead, in cents per pound, sell as follows:

	Red Dry	Red In Oil	White Dry and In Oil
100-lb keg	10 50	11.00	10 50
25- and 50-lb. kegs	10.75	11.25	10 75
12½-lb. keg	11.00	11 50	11.00
1- to 5-lb. cans	12 50	12 50	12.50

METALS

Miscellaneous Metals—The present quotations in cents per pound with a comparison of practically a month and a year ago are as follows:

	New York Sept. 7, 1916	New York One Month Ago	New York One Year Ago
Copper, electrolytic (carload lots)	28.00	27.00	18.00
Tin	38.87½	38.00	35.00
Lead	6.50	6.50	4.75
Spelter	9.50	11.50	15 00
ST. LOUIS			
Lead	5.87½	5.87½	....
Spelter	8.75	9 50	....

Old Metals—In New York the following are the dealers' purchasing prices in cents per pound:

	Sept. 7, 1916	One Month Ago	One Year Ago
Copper, heavy and crucible	21.75	19.50	15.88
Copper, heavy and wire	20.75	18.50	15.38
Copper, light and bottoms	17.50	15.50	14.13
Lead, heavy	5.00	4.50	4.75
Lead, tea	4.50	5.00	4.00
Brass, heavy	12 50	11.25	10.25
Brass, light	10.00	9.25	9.50
No. 1 yellow rod brass turnings	13.75	12.75	13.75
Zinc	6.25	7.50	11.38

RAILWAYS, STEAM AND ELECTRIC

Proposed Work

New Jersey—Public Service Railway Co., Newark, plans line on Roseville Ave. R. E. Danforth, Newark, Gen. Mgr.

Pennsylvania—Monongahela Valley Traction Co. made surveys for extension of system through Stealey Heights St. from Weston line, Pittsburgh. E. B. Moore, Fairmont, W. Va., Gen. Mgr.

Pennsylvania—Oil City election in November to vote on $3,000,000 bonds for improving lines and system of Pennsylvania R.R. A. C. Shand, Philadelphia, Ch. Engr. Noted July 27.

Virginia—K. T. Crawley, Industrial Agent Chesapeake & Ohio Ry., Richmond, interested in railway to develop timber lands and connect Goshen, Highland City and Monterey.

Virginia—Washington—Newport News Short Line, Richmond, soon receives bids for railway from Newport News to Washington, D. C., about 210 mi., with branch 50 mi. long, about $8,000,000. F. S. Gannon, 2 Rector St., New York, Pres. C. M. Ward, Virginia Railway and Power Bldg., Richmond, Gen. Mgr. Noted Feb. 10.

West Virginia—Kanawha & West Virginia R.R. extending from Charleston to Blakely, purchased by Kanawha & Michigan Ry. of New York Central Lines. New owners plan to improve and extend same. A. N. Lyon, Charleston, Gen. Supt.

West Virginia—Winchester & Western R.R. sold $75,000 stock for proposed line to timber lands around Wardensville, 30 or 40 mi. W. B. Cornwell, Romney, interested.

North Carolina—Duplin County, Kinston, election Aug. 22 to vote on bond issue for railway to be known as Kinston & Snowhill R.R. from Kinston to Snow Hill or Walstonburg or Stantonsburg for Norfolk & Southern Ry. F. L. Nicholson, Norfolk, Va., Ch. Engr. Noted July 6.

Alabama—Chattahoochee Valley Ry. plans line from McCulloh southeasterly to Bleecker, about 12 mi. J. T. Barker, West Point, Ga., Gen. Mgr.

Tennessee—J. K. Ferguson, Paducah, Ky., interested in logging railway in Stewart County, about 3 or 4 mi.

Tennessee—DeKalb County, Smithville, voted $150,000 bonds to aid Nashville & Eastern Ry. to build line from Nashville to Smithville, about 55 mi. C. T. Edwards, Smithville, interested. Noted July 20.

Tennessee—Van Buren Railroad Co. incorporated to construct line from Onward to Doyle, White County, to junction of Bear Hollow and Dry Fork Gulch. M. M. Allison, Chattanooga, interested.

Tennessee—Wayne County, Waynesboro, voted $150,000 bonds for proposed Wayne-Hardin R.R. from Collinwood to Savannah, Tenn. E. H. Steinman, Collinwood, interested. Noted July 20.

Kentucky—Chesapeake & Ohio Ry. plans new line from Elizabethtown to Lexington, 98 mi. F. I. Cabell, Richmond, Va., Ch. Engr.

Indiana—St. Joseph Valley Interurban R.R. to be extended from Elkhart, Ind., to Toledo, Ohio. M. Blizard, La Grange, Gen. Mgr.

Illinois—Wabash R.R. plans another track through Springfield. A. O. Cunningham, St. Louis, Mo., Ch. Engr.

South Dakota—Surveys to be made for railway from Bellefourche, S. D., to Miles City, Mont., about 200 mi. J. H. Thomas, Bellefourche, Ch. Engr. and Supt. Constr.

Missouri—Chicago, Burlington & Quincy Railroad Co. making surveys for line from Mexico to Francis. T. E. Calvert, Chicago, Ill., Ch. Engr.

Oklahoma—(Press)—Chamber of Commerce interested in railway from Oklahoma to Woodward. Contract soon to be let.

Oklahoma—Preliminary surveys being made for interurban railway from Miami to Enid, about 225 mi. W. K. Palmer, Kansas City, Mo., Engr.

Oklahoma—W. K. Palmer Engineering Co., Kansas City, Mo., making surveys and plans for interurban railway from Bartlesville to Nowata, Welch or Blue Jacket and Miami, about 70 mi. D. F. Mason and F. M. Overless, Bartlesville, interested.

Oregon—A. J. Faucett, Newport, interested in Portland & West Coast Railroad and Navigation Co. which plans line from Portland to Newport, about 112 mi. Citizens' Committee guaranteed $25,000 to aid same.

California—Panoche Valley Railroad Co. incorporated to build railway from either Los Banos or South Dos Palos on Southern Pacific in Merced County via Little Panoche and Big Panoche Valleys to Lanada, San Benito County, about 25 mi. H. A. Hollzer, 732 H. W. Hellman Bldg., Los Angeles, interested.

Bids In and Contracts Awarded

California—Atchison, Topeka & Santa Fe Ry. let contract line from Temcula and Fallbrook, about 10 mi., to SHARP & FELLOWS CO., Central Bldg., Los Angeles.

LIGHT, HEAT AND POWER

Proposed Work

N. H., Manchester—Manchester Traction Co. making plans for power house. French & Hubbard, 88 Pearl St., Boston, Engr.

Mass., Lynn—Lynn Gas and Electric Co. plans high power line from station in Montrose to new Lynn water-works pumping station at Middleton. H. K. Morrison, Lynn, Gen. Mgr.

Mass., New Bedford—New Bedford Gas and Edison Light Co. plans to issue stock for improving power house and extending distribution system. D. W. Beaman, New Bedford, Supt.

Mass., Pittsfield—Pittsfield Electric Co. granted permission for transmission line to Lee F. Treat, Ch. Engr.

Mass., Quincy—Bay State St. Railway Co. made plans for addition to power plant. T. Gammon, Quincy, Supt.

N. Y., Buffalo—Delaware, Lackawanna & Western R.R., 24 Michigan St., made plans for brick and concrete power house. About $18,000.

N. Y., Dunkirk—Niagara and Erie Power Co. granted franchise for power plant. About $250,000. Noted July 27.

N. J., Elizabeth—S. L. Moore & Sons Corporation soon lets contract for power plant. Noted May 4.

N. J., Paulsboro—Vacuum Oil Co., 61 Broadway, New York, plans 1-story, 100x115-ft. power plant.

Penn., Philadelphia—Philadelphia Electric Co. plans 1-story power plant. A. J. DeCamp, Mgr. J. T. Windrim, Commonwealth Bldg., Arch.

Penn., Philadelphia—Ferris Shoe Co. made plans for enlarging and improving power plant. C. E. Oelschlager, Arch.

Md., Baltimore—Consolidated Gas, Electric Light and Power Co., Lexington and Liberty St., plans plant at Spring Gardens.

S. C., Orangeburg—W. C. Wolfe and associates plan gas plant. About $100,000.

S. C., Spartanburg—South Carolina Light, Power and Railways Co. retained J. G. White Engineering Corporation, 43 Exchange Pl., New York, as Consult. Engr. in connection with planning and constructing dam on Broad River.

Fla., Quitman—See item under "Water-Works."

Ohio, Bucyrus—Bucyrus Light and Power Co. plans power station. About $50,000. A. C. McNeal, Supt.

Ohio, Walnut Hills—(Cincinnati post office)—Springer & Wood Co., St. Louis, made plans for power house at Walnut Hills.

Mich., Port Huron—Detroit Edison Co. plans substation on St. Clair River. A. Dow, Detroit, Gen. Mgr.

Ill., Chicago—Central Manufacturing Dist. c-o J. A. Spoor, 38 South Dearborn St., making plans for power house. S Scott Joy, 1118 West 35th St., Arch.

Ill., Hanover—City receiving bids Sept. 12 for electric distribution system.

Ill., Pawpaw—Northern Illinois Utilities Co. plans transmission line.

Wis., Lake Geneva—Southern Wisconsin Electric Co. plans $128,000 bond issue for improving and extending plant.

Iowa, Grinnell—Grinnell Electric and Heating Co. plans power station.

Minn., Erskine—City voted $5,000 bonds for electric-light system.

Minn., Rochester—City plans hydro-electric plant. About $360,000. I. C. Utton, Engr. H. L. Cooper in charge of work.

Kan., Atchison—City soon votes on bonds for transmission line to Huron.

N. D., Berthold—Northern States Power Co., Minneapolis, applied for franchise for electric-light system. Company plans to extend lines from Minot to Berthold. R. F. Pack, Minneapolis, Mgr.

N. D., Pembina—H. R. Robawski granted franchise for electric-light plant

Ark., Cotter—M. A. Snyder, Tulsa, Okla., and C. M. Martin, Muskogee, Okla., plans electric-light plant at Cotter.

Tex., Beeville—City plans electric-light plant. Address City Clerk.

Tex., Beeville—Beeville Ice, Light and Power Co. plans electric light and power plant. H. Hamilton, Interested.

Tex., Miami—See item under "Water-Works." Noted Aug. 31.

Okla., Hennessey—Hennessey Electric Light, Power and Ice Co. granted permission for electric-light plant.

Idaho, Idaho Falls—East Idaho Gas Co. plans plant.

Ariz., Douglas—Douglas Traction and Light Co. plans to enlarge plant. R. G. Arthur, Mgr.

Calif., Belden—Great Western Power Co. made plans for plant on Feather River. About $25,000. E. W. Beardsley, San Francisco, Gen. Supt.

Ont., Dunnville—City soon votes on by-law to borrow $53,000 for hydro-electric light and power plant. J. W. Holmes, Clk.

Ont., Hanover—Light Comn. plans to enlarge plant.

Ont., Lion's Head—Eastnor Township plans hydro-electric system. J. Parker, Clk.

Sask., Swift Current—City Council plans additions to power plant.

Bids In and Contracts Awarded

Mass., Brightwood—Bosch Magneto Co. let contract rein.-con. boiler house to CASPER RANGER CONSTRUCTION CO.

Mass., Great Barrington—Great Barrington Electric Light Co. let contract power plant to FISKE-CARTER CONSTRUCTION CO., Worcester. Noted Aug. 31.

Mass., Northampton—Northampton Electric Lighting Co. let contract substation to J. G. WHITE ENGINEERING CORPORATION, New York.

Penn., Philadelphia—J. Lang Paper Co. let contract boiler house to W. H. EDDLEMAN & SONS, Roxborough, $20,000.

Ohio, Cincinnati—Union Gas and Electric Co. let contract power plant on 4th St. to AMERICAN BRIDGE CO. Noted July 27.

Ill., Dixon—Illinois Northern Utilities Co. let contract dam across Rock River to W. J. McALPINE, Dixon, $75,000.

Wis., Milwaukee—City let contracts improving lighting system to AMERICAN STEEL WIRE CO., Worcester, $43,230; SIMPLEX WIRE AND CABLE CO., Boston, $17,600; HAZARD MANUFACTURING CO., Wilkes-Barre, $10,286; SAFETY INSULATED WIRE CO., Bayonne, $119,240; LIMA MATERIAL CO., South Milwaukee, $11,928. Noted Apr. 20.

BRIDGES

Proposed Work

N. H., Claremont—City plans 2 rein.-con. bridges. Storrs & Storrs, 59 N. Main St., Concord, Engr.

Vt., Barre—City receiving bids Sept. 11 for arch bridge in South Main St. Robert Gordon, Mayor.

N. Y., Corning—City plans rein.-con. bridge. About $110,000. W. O. Drake, Engr.

N. Y., Elmira—City plans 800-ft. bridge over Chemung River on Main St. T. A. Brown, City Engr.

N. Y., Ft. Plain—(Official)—City receiving bids Sept. 11 for 85 ft. span rein.-con. arch bridge over Otsquago Creek. About $8,500. Noted Aug. 24.

N. J., Rahway—Bd. Freeholders Union County plan to repair Milton Ave. Bridge, about $12,000. Address Clerk, Elizabeth.

N. J., Trenton—Mercer County receiving bids Sept 12 for improving Bruers bridge on Princeton and Lawrenceville Rd. Address County Clerk, Trenton. Noted July 20.

N. J., Trenton—Mercer County receiving bids Sept. 12 for rein.-con. bridge over Pond Run on Liberty St. Address County Clerk, Trenton.

Penn., Lewistown—Pennsylvania R.R. soon receives bids for rein.-con. bridge about $20,000. N. W. Smith, Altoona, Supt. A. C. Shand, Broad St. Sta., Philadelphia, Ch. Engr.

Penn., Scranton—Lackawanna County soon receives bids for 6 concrete bridges. About $4,000. Address County Clk., Scranton.

Penn., Thorndale—Pennsylvania R.R. plans overhead bridge. A. C. Shand, Philadelphia, Ch. Engr.

Penn., Waynesburg—Greene County receiving bids Sept. 11 for substructure bridge over Brissett Run near Deep Water Valley, Springhill Township. T. B. Dinsmore, County Engr.

Penn., Wilkes-Barre—Luzerne County plans bridge over Susquehanna River from Wilkes-Barre to Dorranceton. Address County Clk., Wilkes-Barre.

Va., Pearisburg—(Official)—Giles County receiving bids Sept. 12 for rein.-con. bridge over New River, at Narrows. Address County Clk., Pearisburg.

W. Va., Everson—Marion County receiving bids Sept. 12 for concrete bridge over West Fork River near Everson. Address County Clk., Fairmont.

W. Va., Parkersburg—Wood County Court receiving bids Sept. 12 for concrete or stone bridge across Wolfe Run on Pond Creek. Address County Clk., Parkersburg.

W. Va., Welch—City plans bridge over Elkhorn River. L. A. Osborne, Mayor.

Ga., Roswell—Cobb County plans concrete bridge over Chattahoochee River, about $35,000. Address County Clk., Atlanta.

Fla., Clearwater—City plans bridge over Clearwater Key.

Fla., St. Petersburg—Citizens plan causeway between mainland near Gulfport and northwest end of Long Key.

Fla., Tallahassee—See item under "Streets and Roads."

Ala., Mobile—(Official)—City does not plan viaduct at 10th St. as noted in Aug. 17 issue.

La., Jennings—Jefferson Davis Parish Police Jury, Jennings, and Arcadia Parish Police Jury, Crowley, plans bridge across Mermentau River. Address Clk., Jennings.

Ohio, Dayton—Montgomery County receiving bids Sept 15 for steel bridge over Stillwater River. Walter H. Aszling, Dayton, Clerk.

Ohio, Delaware—Delaware County receiving bids Sept. 11 for improving Patrick bridge over Big Walnut Creek, Porter Township. W. V. Aldrich, Delaware, County Audr.

Bridges (Continued)

Ohio, Elyria—City plans repairing Mussey Ave. bridge. C. M. Theobald, Engr.

Ohio, Lisbon—Columbiana County receiving bids Sept. 18 for repairing Bridge No. 1793, Liverpool Township, about 24,500 lb. steel and superstructure of Bridge No. 1116, St. Clair Township on East Liverpool-Warren Rd., about 28,100 lb. structural steel. H. R. Dickey, Lisbon, Clk.

Ind., Anderson—County Comrs. plan bridge across White River at 9th St. About $68,000. Address County Clk., Anderson.

Ind., Bluffton—Wells County will ask for appropriation for 26 bridges and culverts and 1 retaining wall. Address County Clk., Bluffton.

Ind., Ft. Wayne—Allen County plans bridge over Spy Run Creek at 4th St. About $7,500. Address County Clerk, Fort Wayne.

Ind., South Bend—St. Joseph County receiving bids Sept. 11 for bridge in Harris Township. Address County Clk., South Bend.

Mich., Ironwood—Railroad Comrs. plan viaduct across tracks. About $35,000.

Ill., Bloomington—City voted $5,000 bonds for bridges in Yates Township.

Ill., Kankakee—Kankakee and Will Counties, Kankakee, receiving bids Sept. 11 for rein.-con. bridge over Kankakee River between 2 counties, about $46,740. F. M. Enos, Kankakee, County Supt. Highways. Noted Aug. 24.

Ill., Washburn—A. B. Hurd, County Supt. Highways, El Paso, receiving bids Sept. 11 for concrete bridge.

Iowa, Council Bluffs—City plans voting bond issue for free bridge over Missouri River. E. E. Spetman, City Engr.

Minn., Faribault—City receiving bids Sept. 15 for bridge at Sheffield King Mill. F. W. McKellip, City Engr.

Minn., Glenwood—City plans concrete bridge across outlet of Lake Ben.

Minn., Jordan—City retained J. H. A. Bratz, Consult. Engr., Mankato, to make investigations and submit report on building bridge over Minnesota River, about 300-ft. long, concrete.

Minn., Minneapolis—Bd. Comrs. Hennepin County approved plans for concrete bridge over tracks Twin City Rapid Transit Co. on Excelsior Ave., about $6,000. Address County Clerk, Minneapolis.

Minn., Minneapolis—Dakota and Hennepin Counties plan bridge over Minnesota River at Lyndale Ave. Address County Clerk, Minneapolis.

Kan., Neodesha—(Official)—Wilson County receiving bids Sept 29 for 100-ft. steel span bridge over Verdigris River. Address County Clerk, Fredonia.

N. D., Bottineau—County receiving bids Sept. 12 for rein.-con. bridge over House River. Address County Clk., Bottineau.

Mo., Kansas City—City plans 2 culverts over Goose Neck Creek. About $12,000. V. L. Cockrane, Struct. Engr.

Tex., Ft. Worth—Council appropriated $25,000 for completing Allen Ave. viaduct. Bids soon to be received. Noted Aug. 17.

Tex., Fredericksburg—City plans concrete bridge over Pedernales River.

Okla., Durant—County Comrs. plan 16 steel bridges. About $80,000. Address County Clerk, Durant.

Okla., Guthrie—County Comrs. receiving bids Sept. 19 for bridge across Fitzgerald Creek. Address County Clk., Guthrie.

Okla., Jay—Delaware County defeated $20,000 bonds for bridge across Grand River. Address County Clk., Jay. Noted July 6.

Wash., Kalama—Cowlitz County election Nov. 7 to vote on $60,000 bonds for bridge over Cowlitz River. R. C. Westwick, County Engr.

Wash., Kelso—County election November to vote on $55,000 bonds for bridge over Gray River at Kelso. Address County Clk., Kelso. Noted Apr. 27.

Wash., Seattle—City plans bridge across West Waterway at Spokane St. About $40,000. A. H. Dimock, City Engr.

Wash., Spokane—City made plans for Post St. bridge. About $40,000. Morton Macartney, City Engr.

Calif., Oakland—County receiving bids Sept. 11 for rein.-con. bridge in Eden Rd. Township. Address County Clk., Oakland.

Man., Winnipeg—Good Rds. Bd. plans bridge Qu Appelle Valley and 9 bridges in Roblin Municipality. About $13,550.

B. C., New Westminster—Great Northern Railway Co. plans bridge over North Rd. A. H. Hogeland, St. Paul, Minn., Ch. Engr.

Bids In and Contracts Awarded

Vt., Springfield—City let contract bridge to CUMMINGS CONSTRUCTION CO., Wodsville, N. Y.

Mass., Westfield—Town rejected bids for rein.-con. superstructures and concrete foundations for Cowles Bridge over Little River and Loomis St. Bridge over Munces Brook. Noted Aug. 17.

N. Y., Alabama—City let contract 6 bridges in Allegheny and Judge Rd. to WARSAW CONSTRUCTION CO., Highland Ave., Warsaw. About $6,398.

N. J., Lambertville—Board Freeholders let contract concrete bridges on Union St. to SUTTON & ERNEST, Neshanic. Noted Aug. 17.

Penn., Indiana—City let contract 6 bridges over Cherry Run to WHITTAKER & DIEHL, Harrisburg. About $6,000.

Penn., Sunbury—City let contract rein.-con. bridge over Warriors Run to MILTON CEMENT AND PRODUCT CO., Milton.

Va., Bedford—State Highway Comn. let contract rein.-con. bridge across Big Otter Creek to ROANOKE IRON AND BRIDGE CO., Roanoke. About $4,477. Noted May 18.

W. Va., Grafton—County let contract bridge over Lost River on North West Turnpike and 2 bridges over Wickwire Creek to LUTEN BRIDGE CO., Clarksburg. Noted Aug. 17.

W. Va., Parkersburg—Kanawha Traction and Electric Co. let contract viaduct across ravine below Boaz to MERYDITH CONSTRUCTION CO., Marietta. About $60,000. Noted July 20.

N. C., Belmont—Southern Ry. let contract bridge over Catawba River to R. RUSSELL, Charlotte.

N. C., Mt. Holly—Piedmont & Northern Railway Co. let contract bridge over Catawba River to VIRGINIA BRIDGE AND IRON WORKS. About $125,000.

Fla., Ft. Lauderdale—(Official)—County Comrs. let contract 2 steel highway bridges Dist. No. 1 and 2 to CHAMPION BRIDGE CO., Wilmington, Ohio. About $12,000 and $6,850. Noted Aug. 17.

Ala., Clayton—Barbour County let contract concrete bridge over Chahanatchie Creek to J. H. SCRUGGS CONSTRUTION CO., Birmingham, $7,875. Noted Aug. 24.

Ala., Mobile—County Bd. rejected bids for extending Dog River Bridge. Noted Aug. 10.

Tenn., Milan—County let contract 9 bridges to VIRGINIA BRIDGE AND IRON CO., Memphis, $17,352.

Tenn., Smithville—DeKalb County let contract bridge over Hickman Creek at Alexandria to NASHVILLE BRIDGE CO.

Ohio, Brinkhaven—Pennsylvania R.R. let contract rein.-con. bridge over Walhonding River to W. M. BRODE, Newcomerstown. About $25,000.

Ohio, Hamilton—County received low bid for Somerville and Kolp-Mee Bridges from Arpp-Simpson Co., Middletown. About $17,772 and $10,000. Noted Aug. 3.

Ohio, Miamisburg—County Comrs. let contract bridge to ISAAC SMITH. About $50,000. Noted July 27.

Ohio, Norwalk—City let contract 2 bridges to E. K. JENNINGS, Hicksville.

Ind., South Bend—(Official)—County let contract 3 bridges to SENO A DEL GADDO., South Bend. About $15,000. Noted Aug. 17.

Mich., Saginaw—Board Pub. Wks. let contract rebuilding Mackinaw St. bridge to JOLIET BRIDGE AND IRON WORKS, North Collins St. About $33,000. Noted July 27.

Ill., Carlyle—County let contract rein.-con. bridge in Clement Township to JAMES BALDOCK, Ramsey.

Ill., Chicago—(Official)—Evansville & Indianapolis R.R. let contract rebuilding White River Bridge, also Doanes Creek Bridge to STANDISH & ALLAN, 220 South State St.

Ill., Quincy—Board Pub. Wks., let contract Morton bridge to DEMPSEY CONSTRUCTION CO., Quincy. Noted Aug. 24.

Ill., Salem—City let contract Reinhardt-Sachtleben Bridge to W. C. JOHNSON, Belleville.

Wis., Prairie du Chien—City let contract rein.-con. bridge to GEORGE J. LENGST.

Iowa, Elkader—Clayton County let contract 13 bridges and culverts to A. C. BOYLE, McGregor. About $12,000.

Iowa, Tipton—County let contract 35 culverts to S. R. JOHNSON, Tipton, $9,626; 1 steel bridge, IOWA BRIDGE CO., Des Moines, $6,800.

Minn., Bemidji—City let contract rein.-con. bridge across Mississippi River to ILLINOIS STEEL BRIDGE CO., St. Paul. Noted Aug. 17.

Minn., St. Cloud—(Official)—County let contract State Bridge No. 2014 to PLYMOUTH CONSTRUCTION AND REPAIR CO., Minneapolis. About $10,000. Noted Aug. 17.

Neb., Omaha—Dakota County Drainage Dist. No. 2 let contract 6 bridges to TOWLE ENGINEERING CO., 1123 City National Bank Bldg., Omaha. About $12,800.

N. D., Beach—City let contract 11 bridges to GEORGE W. KEMPER, Minot. About $5,000.

Mo., Kansas City—Board Pub. Wks. let contract 23rd St. viaduct to J. W. McMURRAY CONSTRUCTION CO. About $19,450. Noted Aug. 31.

Tex., Holbrook—Navaji County let contract steel bridge over Colorado River at Winslow to MESMER & RICE, Los Angeles, Calif. About $30,000.

Wash., Pullman—County let contract 3 Luten rein.-con. arch bridges over Paradise Creek to H. C. MALOT, Seattle, $5,862.

Wash., South Bend—(Official)—Pacific County let contract rein.-con. arch bridge over Forks Creek and Fern Creek to CHARLES G. HUBER, Central Bldg., South Bend. Noted Aug. 10.

Wash., Tokoa—County let contract arch bridge over Hangman Creek to C. G. HUBER, Seattle, $5,987.

Calif., Lakeside—City let contract bridge over San Diego River to FRED STEFFGEN. About $17,844.

Calif., Santa Barbara—State Highway Comn., Forum Bldg., Sacramento, received low bid for bridge across Santa Ynez River from Mercer-Fraser Co. Eureka. About $124,650. Noted Aug. 10.

N. S., Belmont—Southern Ry. let contract bridge across Catawba River to AMERICAN BRIDGE CO., 30 Church St., New York.

Ont., Vaughan—Town Council let contract rein.-con. bridge over Humber River to RITCHIE CONSTRUCTION CO., Beamsville.

Ont., Waterloo—Council let contract steel bridge to HAMILTON BRIDGE CO., Hamilton and G. G. REID, 19 Howland Ave., Toronto. About $5,000.

Ont., Waterloo—Council let contract steel bridges to JOHN E. BOWMAN.

WATER-WORKS

Proposed Work

Mass., Pittsfield—City sold $15,000 bonds for extending water system.

N. J., Hightstown—City plans water system. E. P. Rogers, Supt. and Comr.

Penn., Kittanning—City plans water system, about $125,000. J. P. Turping, Supt. L. Hudson, Pittsburgh, Engr.

Penn., Philadelphia—Council passed ordinance for water mains in number of streets. A. J. Fuller, Gen. Supt. Noted July 20.

Del., Newark—Council plans additional standpipe or reservoir.

Va., Galax—City sold $30,000 water bonds.

Va., West Point—City sold $30,000 bonds for water and sewer systems and paving. H. Anderson, Mayor. Noted June 1.

N. C., Beaufort—Towns plans to spend $100,000 for water and sewer systems and breakwater.

Fla., Ft. Pierce—City making plans for improving water system. About $4,000. N. C. Russell, Supt.

Fla., Quitman—City plans water and electric-light systems.

Miss., Magnolia—City soon receiving bids for well. X. A. Kramer, Supt.

Tenn., Copperhill—See item under "Sewers." Noted June 1.

Ohio, Dayton—City plans $43,000 bond issue for new dam. H. Collins, Supt. Water Dept. Noted June 29.

Ohio, Gibsonburg—Council passed ordinance to issue $6,600 bonds for improving water system. A. Spangler, Supt.

Ohio, Mansfield—City receiving bids Sept. 12 for water meters, about $27,000. H. Johns, City Engr. Noted Aug. 24.

Ohio, Middletown—City authbrized expenditure of $14,500 for extending water-works.

Ind., Eaton—Trustees Union Township will soon let contract for drilling well in Dist. No. 4.

Ill., Bloomington—Bd. Local Impts. soon receives bids for water mains on Poplar and Walnut St. S. S. Noble, Supt.

Ill., Decatur—City Comrs. to issue $42,000 bonds for pumping station. Harry Rathrauff, Supt.

Ill., Galesburg—Council voted to extend water system and mains on Jefferson, North Cherry, South Pearl and West 1st St., about $25,000. T. H. Snowball, Supt.

Ill., Kankakee—City passed ordinance for water mains in South 6th Ave. C. H. Cobb, Supt.

Ill., Riverdale—Village Bd. plans water mains in West 138th St.

Ill., St. Charles—See item under "Sewers."

Ill., Viola—Village receiving bids Sept. 21 for 20,400-ft. 4- to 8-in. mains, fittings, etc. B. D. Baxter, Pres. Village Bd.

Wis., Evansville—See item under "Sewers."

Wis., Mineral Point—City receiving bids Sept. 12 for well. H. W. Jackson, City Clk.

Wis., Portage—City Comrs. plan filter plant. About $18,000.

Iowa, Exira—City soon to vote on bond issue for extending water system.

Minn., Staples—City receiving bids Sept. 12 for 200,000 gal. rein.-con. reservoir. O. B. Nelson, 942 17th Ave., S. E., Minneapolis, Engr.

Kan., Concordia—City plans to spend $12,870 to improve and extend water system. Noted June 22.

Kan., Moran—(Official)—City votes Sept. 18 on $30,000 water bonds and $12,000 electric-light bonds.

Kan., Robinson—City plans water system.

Neb., Lincoln—City receiving bids Sept. 12 for improving water system, about $11,000. E. H. Berg, City Clk.

S. D., Woolsey—City plans water system.

Mo., Oronogo—City plans $10,000 bond issue for new well. A. M. Baird, City Atty.

Mo., Paris—City voted $12,500 filter plant bonds. G. B. Blakey, Supt. Water Dept. W. B. Rollins & Co., 439 Midland Bldg., Kansas City, Engr. Noted July 13.

Water-Works (Continued)

Mo., Sedalia—Pub. Ser. Comn. authorizes water mains in West 4th St. H. C. Warren, Pres.

Ark., Stuggart—City making plans for water system. About $85,000.

Tex., Abilene—City Comn. plans enlarging municipal water system.

Tex., Hallettsville—City plans improving water and electric light systems.

Tex., Leonard—City election Sept. 16 to vote on $8,000 bonds for water system.

Tex., Miami—City sold $25,000 water and electric-light system bonds. Noted Aug. 31.

Tex., Temple—City making plans for 4,000,000 gal. concrete reservoir. D. M. Seybold, Supt. Water Dept. Noted Aug. 31.

Okla., Idabel—City soon lets contract for improving and extending water system. T. J. Bookout, City Clk. F. D. Taafe, Engr. Noted May 25.

Okla., Wetumka—City plans to spend $40,000 for improving water system. Noted Aug. 10.

Colo., Greeley—City soon lets contract for 4,000-ft. of 20-in. steel pipe. M. Seaman, Supt.

Idaho, Albion—A. E. Uhl, Gen. Mgr., receiving bids Oct. 1 for water system, about $8,000.

Idaho, Lewiston—City making plans for new settling basin. E. G. Wagner, Supt. Water Wks.

Idaho, Plummer—City plans reservoir and water system.

Idaho, Pocatello—City election Sept. 14 to vote on $300,000 bonds for improving water-works. E. C. Smith, Supt. Water Dept. Noted Aug. 3.

Utah, Murray—City plans election to vote on $150,000 water-works bonds. Noted May 18.

Utah, Vernal—City voted $23,000 water improvement bonds. Noted July 27.

Ariz., Tucson—J. W. Daily, Tucson, plans reservoir, conduit and power house at Sabine Canyon dam.

Ont., Mt. Dennis—City retained F. Barber, 57 Adelaide St. E., Toronto, to make plans for water mains.

Ont., Richmond Hill—City retained James Louden and Herzberger, Engr. to make plans for pumping station. About $30,000.

B. C., Edmonds—City plans water mains to Capitol Hill. About $5,000.

Bids In and Contracts Awarded

Mass., Boston—City received low bid for water mains from D. DeSisto, 198 LaGrange St., West Roxbury. G. F. Finneran, Supt. Water-Works.

Mass., Boston—Hugh McNulty, 51 Coolidge Rd., Allston, low bidder for water mains. G. F. Finneran, Supt. Water-Works.

Mass., Foxboro—City let contract water mains to W. D. SMITH, Wrentham. About $5,500. Noted June 8.

N. J., Keyport—City let contract improving filter beds and reservoir to BOWNE BROS., Keyport. Noted July 6.

Penn., Braddock—Council let contracts 2 pumps for water system to EPPING-CARPENTER PUMP CO., Pittsburgh. About $26,050.

Penn., Erie—(Official)—Bd. Water Comrs. let contract 20,000,000-gal. filter plant to DE LAVAL PUMP CO., Trenton, N. J. Noted Aug. 17.

Penn., Mercer—(Official)—Mercer Water Co. let contract filter plant to ELECTRO-BLEACHING CO., 18 East 41st St., New York. Noted June 22.

W. Va., Shepherdstown—Shepherdstown Light and Water Co. let contract for water system to G. O. ENSIGN, Camp Hill, Penn. About $16,000. Noted July 20.

N. C., Durham—City let contract improving water system to W. M. WILKES CO., Box 601, Atlanta, Ga.

N. C., Scotland Neck—(Official)—City let contract water and sewer systems to J. B. McCRARY CO., Atlanta, Ga. Noted Aug. 31.

Ohio, Coshocton—City received low bid improving water system from Pitt Construction Co., $27,437. S. Ashman, Ser. Safety Dir. Noted July 20.

Ohio, Ironton—City rejected bids for pumping station and intake wells. Noted Aug. 17.

Ohio, Medina—City let contract filter plant and pumping station to PITTSBURGH FILTER AND MANUFACTURING CO., Pittsburgh, $23,150. Noted Aug. 17.

Mich., Highland Park—Village rejected bids for 40,000,000 gal. reln.-con. reservoir. New bids. R. M. Ford, Clk. Noted Aug. 17.

Ill., Barry—Village let contract improving water system to MONIL & DUNBAR, $15,184. Noted Aug. 17.

Wis., Fond du Lac—Board Pub. Wks. let contract c.-i. pipe to UNITED STATES CAST IRON PIPE CO.

Wis., Jefferson—City let contract reservoir to ARTHUR E. TUERBRINGER.

Iowa, Hampton—City let contract water mains to DES MOINES BRIDGE AND IRON CO., Des Moines, $4,150. Noted Aug. 17.

Iowa, Vinton—City let contract elevated tank to DES MOINES BRIDGE AND IRON CO., $6,885.

Iowa, Waukon—City let contract well to C. D. NOLAN, Cedar Rapids.

Minn., Red Lake Falls—City let contract 10-in. well to J. F. McCARTHY, 407 6th St. S., Red Lake Falls.

Wyo., Riverton—City let contract improving water-works to GORDON & TAYLOR CONSTRUCTION CO., Century Bldg., Denver, $20,044. Noted July 27.

Ark., Morrilton—Arkansas Light and Power Co. let contract for well to LANE & BOWLER CO., Stuggart.

Wash., Seattle—Pacific Lock Joint Co., Globe Bldg., at $54,585, low bidder for permanent mains between Cedar River Intake and city reservoirs. Noted Feb. 24.

Wash., Seattle—City let contract water mains in Chelan Ave. to R. H. TRAVERSE, Arcade Bldg. about $10,000. Noted Aug. 31.

Wash., Seattle—City let contract water mains in Hudson St. to F. N. BADOLATO, 1102 Corwin Pl., $22,162. Noted May 4.

Calif., Glendale—City let contract about 1,000 tons Class "B" c.-i. pipe to UNITED STATES CAST IRON PIPE AND FOUNDRY CO., 309 Union Oil Bldg., Los Angeles, $40.60 per ton for 4-in., $37.60 for 6-, 8-, and 20-in. and $65 for special castings. Noted Aug. 24.

N. B., St. John—City let contract c.-i. pipe to VROOM & ARNOLD, St. John, $25 000.

SEWERS

Proposed Work

Conn., Thomaston—City retained C. H. Preston, Engr., Waterbury, to make plans for sewer system.

Conn., Woodmont—Town plans sewage system.

N. Y., New York—(Manhattan)—M. M. Marks, Borough Pres., receiving bids Sept. 8 for improving sewer at Dyckman St. and Hudson River, including building of submerged outlet and screening chamber complete.

N. Y., Rochester—City voted $200,000 sewage plant bonds. F. T. Elwood, City Engr.

N. Y., Bogota—(Official)—Borough Council receiving bids Sept. 15 for about 4 mi. 8- and 10-in. vitrified sewers with "Y" branches, manholes, etc. H. P. Ross, Clk. H. A. Braumuller, Mayor. (See adv. Aug. 31 issue.)

N. Y., Oneonta—City soon lets contract sewage-disposal plant. F. M. Gurney, City Engr. Noted May 4.

N. Y., New Brunswick—City plans storm water sewers in Commercial Ave.

N. Y., White Plains—Comr. Pub. Wks. soon lets contract for sewers. About $13,000. W. T. Collyer, 6 Grand St., City Engr.

N. J., Montclair—City receiving bids Sept. 12 for sanitary sewer. H. Trippett, Clk. E. S. Closson, Municipal Bldg., Engr. Noted Aug. 17.

Penn., Bellwood—(Official)—City soon receives bids for sewage disposal plant and sewer system. H. Linton, Altoona, Engr. Noted July 20.

Penn., South Bethlehem—B. H. Birkle, Chn. Sewer Com., receiving bids Sept. 18 for intercepting sewer and treatment works. Noted Aug. 24.

Va., West Point—See item under "Water-Works." Noted June 1.

W. Va., Cameron—City soon votes on bonds for sewer system.

N. C., Beaufort—See item under "Water Works."

S. C., Columbia—City receiving bids Sept. 19 for sewers. T. Keith Legare, City Engr.

Ala., Tuscaloosa—City Comrs. receiving bids Sept. 19 for storm sewer. About $8,500. W. H. Nicol, City Engr.

Tenn., Copperhill—City soon lets contract for sewer and water systems. About $20,000. Noted June 1.

Tenn., Jonesboro—City soon votes on bonds for sewer system.

Ohio, Akron—City plans sewer in Weeks St. J. E. Gehres, City Engr.

Ohio, Columbus—City receiving bids Sept. 12 for 3d Ave. relief sewer. T. A. Borden, Dir. Pub. Serv.

Ohio, Lancaster—(Official)—City receiving bids Sept. 15 for sewers in Dists. Nos. 1 and 11, about $4,644. J. Griggs, City Engr. Noted July 27.

Ohio, Lorain—City plans to extend storm water sewer Dist. B, improve sewer in Waverly Pl. and West 22d St. C. M. Osborne, City Engr.

Ohio, Lorain—City plans sanitary sewer in Denver Ave. C. M. Osborne, City Engr.

Ohio, Middletown—City receiving bids Sept. 12 for storm and sanitary sewers. J. Kunz, Clk. Noted Aug. 31.

Ohio, Mt. Vernon—City plans sanitary sewer in Mulberry St.

Ohio, Port Clinton—(Official)—City receiving bids Oct. 10 for Washington St. sewer. About $15,986. W. H. Williamsen, Clk. K. E. Wedlkind, City Engr. Noted Aug. 10.

Ohio, Port Clinton—(Official)—City receiving bids Oct. 3 for Monroe St. sewer. About $9,832. W. H. Williamsen, Clk. K. E. Wedlkind, City Engr. Noted Aug. 10.

Ohio, Salem—City plans $20,000 bond issue for sewage plant.

Ohio, Wooster—City plans sewers in Emerick St. O. H. N. Mowery, City Engr.

Mich., Lansing—City plans $5,900 bond issue for sewers.

Ill., Belleville—Board Local Impvt. plans to install sewer.

Ill., St. Charles—Bd. Local Impvt. receiving bids Sept. 14 for sanitary sewer Dist. No. 2, also extending water mains. J. W. Wilson, Engr.

Wis., Waterford—City rejected bids for sewer in East Main St. New bids.

Minn., Duluth—City plans sewers in 5th St.

Minn., St. Paul—City plans sewer system for Anthony Hill Dist., about $797,057. O. Claussen, City Engr.

Minn., Winthrop—City receiving bids Sept. 11 for sanitary sewer. J. A. Chilstrom, City Clk. F. D. Minium, Engr.

Iowa, Anthon—City receiving bids Sept. 12 for sanitary sewers, septic tank and filters. About $20,000. L. L. Lucas, Clk. Noted Aug. 10.

Iowa, Jefferson—City plans sewers in Dist. No. 3. E. F. Raver, City Clk.

Kan., Topeka—City plans sewers in Lake St. A. R. Young, City Engr.

Neb., Randolph—City approved preliminary plans for sewer system. Noted May 18.

Neb., Red Cloud—City voted $10,000 sewer bonds. Grant & Fulton, Lincoln, Consult. Engr.

Mont., Three Forks—City receiving bids Sept. 18 for sanitary sewers. P. Peine, City Clk. Swearinghen & McCulloh, Great Falls, Consult. Engr. Noted Aug. 17.

Mo., Harrisonville—(Official)—City did not vote $15,000 bonds for sewer system and disposal plant as noted in issue Aug. 17.

Mo., Milan—City making plans for sewer system, about $25,000. E. T. Archer & Co., Kansas City, Engr.

Mo., Poplar Bluff—St. Louis & San Francisco R.R. plans sewers. About $20,000. F. G. Jonah, St Louis, Ch. Engr.

Tex., Beaumont—City voted $25,000 bonds for sewer and water-works.

Tex., College Station—Agricultural and Mechanical College of Texas plans sewer system and sewage pumping unit. G. E. Byers, Supt. Bldgs. and Grounds.

Tex., Houston—City soon lets contract for sewer system and sewage plant. About $500,000. E. E. Sands, City Engr. Noted Aug. 3.

Tex., Port Arthur—City making plans for sewer system. About $100,000. Noted June 8.

Tex., Waxahachie—City soon votes on $120,000 bonds for sewage disposal plant, street improvements, etc.

Okla., Sand Springs—City voted $30,000 bonds for sewer system. J. H. Gladson, Mayor.

Calif., Santa Barbara—City making surveys for sewage disposal plant. A. B. Cook, City Engr.

Bids In and Contracts Awarded

Maine, Portland—(Official)—City let contract sewer to CAMILLO PROFENNO, 12 Ponce St., Portland, $6,743.

Mass., Boston—(West Roxbury)—City received low bids sewers and surface drains in West Roxbury from W. L. Dolan, 44 Tower St., Jamaica Plain, J. Barletta, 364 Hanover St. and G. J. Reagon, 92 Stoughton St.

Mass., Haverhill—(Official)—City will build sewers in Main St.; work will be done by day labor. L. C. Lawton, City Engr. Noted Aug. 17.

Conn., Torrington—City let contract sewers to J. E. DRISCOLL, $8,730.

N. Y., New York—(Brooklyn)—(Official)—Borough let contract sewers in Bay 35th, East 7th and East 4th St. Ave. J and Delamere Pl. to A. A. DUMPROFF; East 4th and 56th St. R. PECONI & SON; 23rd Ave., MURPHY BROS.; East 12th St., E. GHILARDI CONTRACTING CO. Noted Aug. 17.

N. Y., New York—(Manhattan)—(Official)—Borough let contract sewer portion Lafayette St. to H. E. FOX CONSTRUCTION CO. Noted July 20.

N. Y., New York—(Queens)—(Official)—Low bidders sewers in various streets were: E. W. Fitzpatrick, Hughes St., $6,252, Shaler St., $7,794; J. L. Sigretto, Benedict Ave., $6,372; J. E. Bunting Co., Inc., Queens Ave., $43,074; DI COLA & MARTING, Chichester Ave., $21,753. Noted Aug. 24.

N. Y., Olean—Fure & Fote, North 8th St., $11,482 submitted lowest bid for storm and sanitary sewers in West State St. E. E. Allen, City Engr. Noted Aug. 17.

N. J., Camden—City let contract sewers in 27th St. and Railroad Alley to F. A. WARD, 524 Trenton Ave. Noted Aug. 10.

Penn., New Castle—(Official)—City rejected bids received Aug. 21 for sewers in Sharp St. C. H. Milholland, City Engr.

Penn., Uniontown—City let contract east end sewer to BROOKE & CORNISH, $5,955.

Va., West Point—City let contract sewers to J. B. McCRARY CO., Atlanta, Ga., $20,400.

N. C., Scotland Neck—(Official)—See item under "Water-Works." Noted Aug. 31.

Ohio, Dayton—T. P. Strack, Cincinnati, $7,425, submitted lowest bid for storm water sewer in Bolender Ave. F. O. Eichelberger, City Engr.

Ohio, Dayton—T. P. Strack, Cincinnati, $39,565, submitted lowest bid for storm water sewers in Esker St. F. O. Eichelberger, City Engr.

Sewers (Continued)

Ohio, Sandusky—City let contract sewers in Madison and Ransom St. to H. HOMBERGER. Noted Aug. 10.

Ohio, Struthers—(Official)—City let contract sewers in Center St. to A. O'HARA, Youngstown.

Ind., Logansport—City let contract sewer in Douglas St. to PLAINER, MOORE & CO.

Mich., Highland Park—(Official)—City let contract drains in Davison and Dequindre Ave. to G. PATTISON, 530 3d Ave., Detroit, $12,555. Noted Aug. 17.

Ill., Granite City—(Official)—Bd. Local Impvts. let contract outlet sewer improvement to WALBRIDGE & JOBST, 6 North Michigan Ave., Chicago, $379,966. Noted Aug. 10.

Ill., Quincy—City rejected bids for sewer in Washington St. F. L. Hancock, City Engr.

Ill., Springfield—City let contract sewers in Peoria Rd. to H. NELCH & SON, $4,665. Noted July 13.

Iowa, Eldon—(Official)—City let contract sewer system to HARNESS BROS., 426 Burrhus St., Ottumwa, Sections A, B and D; J. L. HANSMAN, Des Moines, Section C, Route No. 5. Noted Aug. 17.

Iowa, Malvern—City let contract sewer system to DUNNEGAN & BRIGGS.

Iowa, Sioux City—City let contract South Morning Side sanitary sewer system to CADY & SAVONELL. About $12,000.

Iowa, Stuart—(Official)—City let contract sewer system to H. REES, Quincy, Ill., $23,067, disposal plant to P. E. WYLE, Guthrie Center, $10,718. Noted Aug. 13.

Wis., Evansville—Bd. Pub. Wks. let contract 8- and 10-in. sewers, 2 manholes and 4- and 6-in. c.-i. water mains to J. N. ROHERTY, Janesville. Noted Aug. 17.

Wis., Platteville—Council let contract sewers in Rountree and Alden Ave. to MEYER & PLACE.

Wyo., Riverton—City let contract sewer system to GORDON & TAYLOR, Century Bldg., Denver, $28,848. Noted June 29.

Mo., Kirksville—City let contract sewers to G. W. BARKWELL, Columbia, $6,400. Noted July 13

Tex., Amarillo—City let contract extending sewer system to WINSLETT & ELDRIDGE. Noted July 27.

Okla., Bartlesville—City let contract, storm sewer in West Side Park to J. W. MENEFEE CO., Sedalia, Mo.

Calif., Berkeley—City let contract sewers in Shattuck Ave. and Hopkins St. to W. T. TOBIN.

Calif., Chino—City let contract sewer system to L. FLEMING, Pomona, $30,940. Noted Aug. 31.

GARBAGE

Proposed Work

Ohio, Dayton—City plans to improve and enlarge garbage disposal plant. F. O. Eichelberger, City Engr.

Ohio, Wooster—City Council considering application for franchise for garbage disposal plant. H. W. Mowery, City Engr.

Mich., Lansing—City plans garbage disposal system. H. W. Sparks, City Engr.

Mich., Saginaw—City Council plans garbage disposal plant. H. H. Eymer, City Engr.

Ill., Galesbury—City Council plans garbage collection and disposal system. F. M. Connolly, City Engr.

Ill., Highland Park—City receiving bids Sept. 8 for garbage incinerator. E. A. Warner, City Clk. Noted Mar. 16.

Wis., Milwaukee—City plans garbage disposal plant. F. G. Stail, City Engr.

Bids In and Contracts Awarded

Penn., Reading—Pennsylvania Sewage and Garbage Co., Philadelphia, submitted only bid for garbage disposal plant. About $200,000. C. Marks, City Clk. Noted Aug. 10.

STREETS AND ROADS

Proposed Work

N. H., Claremont—City plans to spend about $20,000 or $25,000 for paving Main St. G. P. Winn, Nashua, Engr.

Conn., Waterbury—R. A. Cairns, City Engr., submitted report estimating cost of improving portion Huntington Ave. at $15,000.

N. Y., Albany—(Official)—State Highway Comn., 55 Lancaster St., receiving bids Sept. 18 for highways in various counties. E. Duffey, Comr. (See adv.)

N. Y., New York—(Brooklyn)—L. H. Pounds, Borough Pres., Borough Hall, receiving bids Sept. 12 for improving portion Ave. J.

N. Y., New York—(Richmond)—C. D. Van Name, Borough Pres., receiving bids Sept. 8 for concrete sidewalks on portion Hart Ave.

N. Y., Utica—City to sell $12,000 bonds for resurfacing streets. J. Kemper, City Engr.

N. J., Atlantic City—Board Comrs., City Hall, receiving bids Sept. 14 for improving portions New Hampshire and other avenues. J. W. Hackney, City Engr. (See adv. Aug. 31 issue).

N. J., Camden—Council passed ordinance to pave portion Princess Ave. L. E. Farnham, City Engr.

N. J. Montclair—City receiving bids Sept. 12 for paving Orange Rd., asphaltic concrete. H. Trippett, Clk. E. S. Closson, City Engr.

N. J., Newark—City plans to pave Mapes Ave. M. R. Sherrard, City Engr.

N. J., Newark—City receiving bids Sept. 21 for paving portion Cedar Ave., Jefferson St. and Elm Rd., asphalt, and Prince St., granite or wood block. M. R. Sherrard, City Engr. Noted Aug. 17.

N. J., New Brunswick—City receiving bids Sept. 1, for curbing and paving about 10 streets, brick, asphalt or warrenite. Bonds for $66,000 to be issued for same. A. A. Atkinson, City Engr.

N. J., Paterson—Board Freeholders Passaic County plan to improve Paget Ave., macadam. Address Clk., Paterson.

N. J., Woodbury—Gloucester County receives bids about Oct. 1 for paving portion Elmer and Hardingville Rd. H. Catell, Wenonah, Engr.

Penn., Canonsburg—Town receiving bids Sept. 11 for curbing and paving South Central, Pitt, Elm and Murdock St. H. M. Day, Engr.

Penn., Carlisle—City plans to pave south College St. H. T. Hiteshew, City Engr.

Penn., New Castle—City plans to improve South Hill St. C. H. Milholland, City Engr.

Penn., New Kensington—City election Nov. 2 to vote on proposition to pave various streets. O. B. Higley, 424 4th Ave., Pittsburgh, Engr.

Penn., Pittsburgh—Allegheny County receiving bids Sept. 21 for improving Wilmerding and Monroeville Extension Rd. and Glass and West Run Connecting Rd. Address County Clk., Pittsburgh.

Penn., Renovo—City plans to pave portion Huron Ave.

Penn., Wilkes-Barre—Council passed ordinance to curb and pave portion Academy St. B. K. Finch, City Engr.

Md., Baltimore—Bd. Awards receiving bids Sept. 13 for paving 28 alleys, concrete. R. M. Cooksey, City Engr.

Va., Hillsville—Carroll County plans election to vote on $200,000 road bonds. Address County Clk., Hillsville.

Va., Salem—Roanoke County receiving bids Sept. 11 for 8 mi. macadam road. G. P. Coleman, Richmond, State Highway Comr.

Va., West Point—See item under "Water-Works." Noted June 1.

W. Va., Beckley—(Official)—Raleigh County to let contracts for about $850,000 worth of roads in spring. Address County Clerk, Beckley. Noted June 15.

W. Va., Cameron—City soon to vote on bonds for paving.

W. Va., Charleston—Kanawha County, Sandy Dist., receiving bids Sept. 23 for 8 mi. road, about $150,000 available. L. C. Massey, Charleston, Clk. County Court. Noted June 8.

W. Va., Moundsville—Council plans to pave portions, Grant Tomlinson and Ash Ave. A. Purdy, City Engr.

W. Va., Parkersburg—Council passed resolution to pave portion Ann St. and alley between Market and Avery and 6th and 7th St. T. L. Higgs, City Engr.

W. Va., Piedmont—City receiving bids Sept. 9 for 3 mi. brick, concrete or asphalt paving. E. S. Smith, Dist. Engr.

Ga., Atlanta—City plans to resurface portion Stewart Ave. H. W. Hurt, City Engr.

Fla., Lakeland—Winter Haven Special Rd. and Bridge Dist. plans election to vote on $300,000 bonds for 47 mi. asphalt road.

Fla., Panama City—Bay County election Sept. 19 to vote on $375,000 highway bonds. Address County Clk., Panama City.

Fla., Tallahassee—Leon County receiving bids Sept. 18 for 34 mi. sand clay road, 81,766 cu.yd. excavation, 5 mi. gravel or broken stone road, 2,500-ft. 12- to 36-in. drain and 175 lin.ft. steel bridges. J. W. Jones, County Engr.

Fla., West Palm Beach—Palm Beach County voted $150,000 bonds for road from West Palm Beach to south shore Lake Okeechobee. Address County Clk., West Palm Beach. Noted Aug. 3.

Ala., Gadsden—City plans 2,200 sq.yd. concrete sidewalks. E. Smith, City Engr.

Miss., Carthage—Leake County receiving bids Oct. 1 for about 20 mi. sand and clay roads, $25,000. Address J. A. Walker, Carthage.

Miss., De Kalb—Kemper County making surveys for 50 mi. macadam road to be part of Jackson Highway. Snowden & Hauser, Columbus, Engr.

Miss., Grenada—Grenada County making surveys for 100 mi. road to be part of Jefferson Davis Highway. Snowden & Hauser, Columbus, Engr.

La., Natchitoches—Natchitoches County voted $250,000 bonds for portion Jefferson Highway. Address Clerk, Natchitoches. Noted July 6.

La., New Orleans—City plans to pave Esplanade Ave. W. J. Hardee, City Engr.

Tenn., Greenville—City sold $17,000 street improvement bonds.

Tenn., Lawrenceburg—Lawrence County Highway Comn. receiving bids Sept. 20 for improving Jackson Military Rd., 36 mi. W. H. Rhodes, Lawrenceburg, Highway Engr.

Tenn., Morristown—City receiving bids Sept. 16 for paving and guttering several streets in Impvt. Dist. No. 10, tarvia. C. S. Stephens, Recdr.

Ky., Bowling Green—Warren County Fiscal Court, Bowling Green, plans expenditure of $10,000 for repairing Nashville Pike.

Ky., Louisville—Board Pub. Wks. plans paving Wenzel St. About $4,500.

Ky., Middlesboro—City plans to pave number of streets. J. L. Manring, Mayor.

Ky., Owensboro—Daviess County receiving bids Sept. 9 for improving River and Livermore Rd. J. Weir, Owensboro, County Clk.

Ohio, Ashtabula—Council passed resolution to improve Market St. L. A. Amsden, City Engr.

Ohio, Barnesville—Council passed resolution to pave portion Bond Ave.

Ohio, Bay Village—Town received no bids for purchase $72,267 road bonds. Noted Aug. 10.

Ohio, Bexley—(Columbus post office)—Franklin County receiving bids Sept. 25 for brick and bituminous road between tracks Ohio Electric Ry., Marion Township. Address County Clerk, Columbus.

Ohio, Bexley—(Columbus post office)—Village plans to grade and pave East Main St.

Ohio, Canton—Council passed ordinances to improve portion 15th St. N. E., and 19th St., N. E. W. E. Sarver, City Engr.

Ohio, Cincinnati—W. Boeh, Surv., Hamilton County, estimates cost of improving Rapid Run Pike at $18,443.

Ohio, Cleveland—City receiving bids Sept. 15 for cement sidewalks on Woodland Hill-Garfield Div. of East Blvd. Robert Hoffman, City Engr.

Ohio, Cleveland—City plans to pave portions Ingersoll Rd. and West 105th St. R. Hoffman, City Engr.

Ohio, Columbus—Franklin County receiving bids Sept. 29 for road improvement work per estimate 331. J. Scott, Columbus, Clk. J. Peake, Engr.

Ohio, Greenville—City receiving bids Sept. 12 for improving portion Spring St. K. H. Schmermund, Clk.

Ohio, Hamilton—Council passed ordinance to improve portion North 9th St. F. E. Weaver, City Engr.

Ohio, Lancaster—(Official)—City receiving bids Sept. 14 for paving portion East Main St., brick. J. Griggs, City Engr.

Ohio, Mt. Vernon—(Official)—City receiving bids Sept. 11 for improving portion Mulberry and Catherine St. and West Ohio Ave. W. C. Anderson, City Engr.

Ohio, Newark—City receives bids about Oct. 5 for improving North Ave. and Tuscarawas St., brick. C. H. Wells, City Engr.

Ohio, Oberlin—City made plans for paving East College Ave.

Ohio, St. Clairsville—Belmont County receiving bids Sept. 11 for improving McMahons Creek Rd., about 5.2 mi. B. W. Hopkins, St. Clairsville, Audr.

Ohio, Springfield—City receiving bids Sept. 1 for paving Woodlawn St. M. J. Bahin, City Engr. Noted Feb. 17.

Ohio, Springfield—Council passed ordinances to improve portions Logonda and Sherman Ave. and Columbia St. M. J. Bahin, City Engr.

Ind., Columbus—Bartholomew County receiving bids Sept. 23 for rock road in Rockcreek Township. W. G. Scott, Columbus, Audr.

Ind., Danville—Hendricks County receiving bids Sept. 23 for 12,088 ft. road in Washington Township. C. M. Havens, Danville, Audr.

Ind., Huntington—City making plans for paving West Matilda St. P. E. Latchen, City Engr.

Ind., Niles—Council passed resolution to pave portion Warren Ave. H. W. Turner, City Engr.

Ind., Rochester—Fulton and Kosciusko Counties receiving bids Sept. 29 for gravel road between 2 counties. E. A. Smith, Rochester, Audr. Fulton County.

Ind., South Bend—City plans to improve portion Euclid Ave. F. J. Anderson, City Engr.

Mich., Bay City—City plans to pave Water and Harrison St. H. C. Thompson, City Engr.

Mich, Grand Rapids—City plans to pave Wealthy St., about $49,000. W. S. Moore, City Engr.

Mich., Grand Rapids—Bd. Pub. Wks. plans to pave Dickinson St. and Diamond Ave. W. S. Moore, City Engr.

Mich., Mt. Clemens—Macomb County making plans for improving River Rd., Clinton Township. W. D. Reese, Mt. Clemens, Rd. Comr.

Ill., Aurora—City plans to pave portion North Broadway, brick. M. J. Tarble, City Engr.

Ill., Bloomington—City plans to pave Front St., about $16,000. E. H. Packard, City Engr.

Streets and Roads (Continued)

Ill., Carterville—City making plans for about 1½ mi. concrete paving, about $45,000. B. P. Wilson, Marion, Engr.

Ill., Christopher—City making plans for paving various streets, about $50,000. L. T. Putnam, Benton, Engr.

Ill. Galesburg—Council passed ordinance to pave portion Fulton St. F. M. Connolly, City Engr.

Ill., Galesburg—City plans to pave Grand Ave., about $46,512. F. M. Connolly, City Engr.

Ill., Joliet—City plans to pave Willow Ave. C. D. O'Callahan, City Engr.

Ill., Naperville—City made plans for paving, curbing and guttering various streets, about $90,000. C. A. Ashley, City Engr.

Ill., Peotone—Town voted in favor of road tax for gravel or macadam roads.

Ill., Rantoul—City made plans for about ¾ mi. brick paving, about $20,000. G. Fairclo, Court House, Urbana, Engr.

Ill., Sandwich—Board Local Impvts. receiving bids Sept. 11, for curbing, paving and sewers in portion Main and Railroad St., about $13,593. W. B. Shields, 1201 Hartford Bldg, Chicago, Engr.

Ill., Waukegan—City making plans paving, curbing and guttering May. St. and Lenox and Mott Ave., about $16,000. M. J. Douthitt, City Engr.

Ill., Waukegan—City making plans paving, curbing and guttering portion Jackson Ave., brick. M. J. Douthitt, City Engr.

Ill., Waukegan—City making plans paving South Ave. and Oak St., brick, about $33,000. M. J. Douthitt City Engr.

Wis., Elkhorn—City receiving bids Sept. 16 for 45,000 yd. concrete, brick, asphalt or bitulithic paving, 23,000 yd. excavation, 6,000 ft. storm sewers, etc. A. G. Groesbeck, Chmn. Com. St., Alleys and Sidewalks.

Iowa, Ottumwa—City soon receives bids for paving portion West 2nd St. J. F. Brady, City Engr.

Iowa, Pella—City plans about 5 mi. brick paving. A. C. Kuyper, City Clk.

Minn., Gilbert—Town plans to pave 9 streets.

Kan., Augusta—City plans election to vote proposition to pave about 21 blocks with brick. J. T. Switzer City Engr.

Kan., Olathe—Johnson County receiving bids Sept. 16 for grading and paving west half state line road. W. J. Moore, Olathe, County Clk.

Kan., Wichita—(Official)—City receiving bids Sept. 11 for paving and guttering portion Wabash Ave., brick. B. Wells, City Engr.

Kan., Wichita—Council passed ordinances to improve portions Central Ave. B. C. Wells, City Engr.

Mont., Great Falls—(Official)—City election November to vote on proposition to build 450 mi. gravel and crowned dirt roads. E. A. Smith, City Atty. Noted Aug. 17.

Mo., Cameron—Council passed resolution to pave portion Mead St. including street and alley intersections. C. Staples, City Clk.

Mo., Carthage—City plans to pave 15,000 sq.yd., macadam. F. B. Newton, City Engr.

Mo., Chillicothe—City plans to pave and curb portion Calhoun St. J. O. Broaddus, City Engr.

Mo., Hannibal—City rejected bids curbing and guttering Union St. New bids.

Mo., St. Louis—Bd. Pub. Ser. Room 315, City Hall, receiving bids Sept. 22 for improving portion Bestrehan St., brick, Lanham Ave., bitulithic and Locust St., concrete and asphalt. About $7,450, $5,350 and $58,600. E. R. Kinsey, Pres.

Tex., Canton—Van Zandt County election Sept. 19 to vote on $150,000 road bonds in Precinct No. 3. Address County Clk., Canton. Noted Jan. 13.

Tex., Denton—Denton County plans $200,000 bonds for roads. Address County Clk., Denton.

Tex., El Paso—Council passed ordinance to pave portion Auge St. G. Espy, City Engr.

Tex., Georgetown—Williamson County receiving bids Sept. 11 for about 12 mi. road. W. W. Jenkins. Georgetown, Audr.

Tex., Laredo—Council plans to create improvement district and issue bonds for paving. E. J. Foster, City Engr.

Tex., Mt. Pleasant—City plans to pave number of streets. H. S. Wilder Co., Mt. Pleasant, Engr.

Tex., Port Arthur—City voted $64,000 bonds for paving Proctor St.

Okla., Wewoka—Seminole County plans election to vote on $250,000 bonds for roads and bridges. Address County Clk., Wewoka.

Idaho, Boise—State Highway Comn. considering plans for improved highways between Lewiston and Boist, about $500,000. E. M. Booth, State Highway Engr.

Idaho, Wallace—City soon receives bids for concrete sidewalks in Impvt. Dist. No. 5.

Utah, Salt Lake City—City receiving bids Sept. 12 for paving Beck St., concrete. S. Q. Cannon, City Engr.

Ariz., Tucson—City plans to improve portion 2d St. and 8th Ave. J. M. Ruthrauff, City Engr.

Ariz., Yuma—Council passed resolution to pave Main St., about 235,000 sq.ft. Bids soon. W. H. Elliott, City Engr. Noted May 4.

Wash., Centralia—City Comrs. passed ordinance to pave Pearl, Plum and Pear St. L. M. Lee, City Clk. Noted Aug. 17.

Wash., Everett—City plans to pave 33rd and Polk St. and Kroner Ave. H. Munn, City Engr.

Wash., Seattle—King County receiving bids Sept. 25 for improving road connecting brick highway at Wayne near Bothell with Juanita Bridge, about $20,000. N. M. Wardell, Seattle, County Clk. A. P. Denton, County Engr.

Wash., Spokane—Bd. Pub. Wks. passed resolution to pave 17th Ave. M. Macartney, City Engr.

Ore., Eugene—City plans to pave about 35,000 sq.yd., concrete. A. Forneri, City Engr.

Calif., Berkeley—City plans to improve Euclid Ave. by paving, curbing and sewering. J. J. Jessup, City Engr.

Calif., Chino—City lets contract about Oct. 1 for 73,290 sq.yd. surfacing on Riverside Dr., Chino Ave. and other streets, about $93,000. P. E. Kressly, City Clk.

Calif., Fresno—Council passed resolution to improve South Angus St. and 2 alleys in Blk. No. 127. B. E. Cronkie, City Engr.

Calif., Oakland—Council passed resolution to pave portion College Ave. P. F. Brown, City Engr.

Calif., San Anselmo—Town Trustees plan to spend about $45,000 for paving.

Calif., San Francisco—City plans election to vote on $15,000,000 road bonds. M. M. O'Shaughnessy, City Engr.

Ont., Mitchell—Council plans sidewalks and curbing Main St. W. Ryan, Clk.

B. C., Victoria—City plans to spend about $12,000 or $14,000 for improving portion Davie St. C. H. Rust, City Engr.

Bids In and Contracts Awarded

Maine, Portland—(Official)—City let contract paving portion Congress St. to MAHONEY CONSTRUCTION CO., 85 Market St., Portland, $1.95 per sq.yd. Noted July 27.

Mass., Boston—City received low bids paving streets in Brighton, Dorchester, East Boston and West Roxbury Dists. from Central Construction Co., 6 Beacon St., $220,606; Bermudez Co., 246 1st St., East Cambridge, $227,776; Warren Bros. Co., 142 Berkeley St., $228,513.

Mass., Boston—Board Pub. Wks. received low bids paving various streets from (a) Group 1, (b) Group 2, as follows: B. E. Grant, 99 West Cedar St., (a) $177,196, (b) $186,375; Coleman Bros., Pearl St., Chelsea, (a) $195,337; Central Construction Co., 228 Southampton St., (a) $21,194; J. Doherty, 133 Calumet St., Roxbury, (a) $189,575; M. De Mattee, 146 Dudley Ave., Roslindale, (a) $198,979. Noted Aug. 10.

Mass., Hamilton—State Highway Comn. awarded contract section State Highway to C. E. WHIPPLE, Hamilton, $6,463.

Mass., Quincy—City received low bid for sidewalks from H. Lavelle. Quincy, $1.32 per sq.yd. Noted July 20.

R. I., Providence—Board Contract and Supply let contract paving Olneyville Sq. to NARRAGANSETT IMPROVEMENT CO., 122 Public St.

Conn., Bristol—(Official)—City let contract curbing Hull St. to S. MASTROBATTISTO. Noted Aug. 24.

Conn., Waterbury—City let contract paving about 3 mi. Thomaston Ave. to CONNECTICUT HASSAM CO. and AMIESITE CO.

N. Y., Eastwood—City let contract paving Midler Ave. to H. WILLIAMSON, Eastwood.

N. Y., New York—(Brooklyn) — (Official)—Contracts for paving awarded to J. J. GUINAN CONTRACTING CO., 777 Fulton St., 84th St., $4,349; BROOKLYN ALCATRAZ ASPHALT CO., 407 Hamilton Ave., 71st St., $9,704, 63rd St., $26,131; UVALDE ASPHALT PAVING CO., 1 Broadway, Manhattan, East 34th St., $4,919, East 34th St., $4,663, Elmore Pl., $6,243; BOROUGH ASPHALT CO., 1301 Metropolitan Ave., Hegeman Ave., $5,457; L. MANGIERI, 190 31st St., Dahlgren Pl., $10,754. Noted Aug. 31.

N. Y., New York—(Richmond)—(Official)—Uvalde Asphalt Paving Co., 1 Broadway Manhattan, at $95,677, low bidder paving portion Amboy Rd., Specification "A," and $94,089 for Specification "B." Noted Aug. 24.

N. Y., Schenectady—City let contract paving 13,000 sq.yd. to UNION PAVING CO. and SCHENECTADY CONTRACTING CO., Schenectady. Noted Aug. 10.

N.J., Elizabeth—City let contract repaving Elizabeth Ave. to VAN KEUREN CONTRACTING CO., Prior St., Jersey City, about $49,512. Noted Aug. 17.

N. J., Cliffside Park—Borough let contract improving portion Winterburn Grove Rd. to BERGEN COUNTY CONTRACTING CO., $6,830.

N. J., Garfield—Borough Council let contract improving Ray Ave. to DYER-KANE CO., 12 Lexington Ave., Passaic about $8,000.

N. J., Irvington—Bd. Comrs. let contract ing, curbing and sewers on 21st St. to NORTH CONSTRUCTION CO., 665 Broad St., New s, about $22,154.

N. J., Montclair—City received low bid pa and curbing portion Bellevue Ave. from Osb & Marsellis Co., Bellevue Ave., $26,651. N Aug. 3.

N. J., Paterson—Passaic County rejected ids for improving section Greenwood Lake Turnpike through Haskell and Midvale. Noted Aug. 10.

Penn., Ambridge—City let contract paving Bryden Rd. and Church and 14th St. to R. V. BALDWIN, Corapolis, $36,099.

Penn., Fallston—(New Brighton post office)—Borough let contract paving Beaver St. to R. V. BALDWIN CO., $14,150. Noted Feb. 10.

Penn., Kittanning—City let contract paving to G. B. HARRIS, Meadville, about $11,000.

Penn., Philipsburg—Borough let contract paving to G. I. THOMPSON & CO. Noted June 15.

Penn., Pittsburgh—City let contract repaving Otilla St. to M. O'HERRON CO., South 1st and McKean St.

Penn., Uniontown—Fayette County let contract asphaltic surface material road in Menallen Township to MAINWARING & CUMMINGS, Philadelphia.

Penn., Wilkinsburg—City let contract improving Marlboro Ave. to M. O'HERRON CO., South 1st and McKean St., Pittsburgh, $10,444.

Va., West Point—City let contract sidewalks to J. B. McCRARY CO., Atlanta, $7,066.

W. Va., Hamlin—(Official)—Lincoln County let contract Porter Fork Rd., Dubal Township, to M. L. ADKINS, Branchland, $1,600 per mi. Noted Aug. 3.

W. Va., Huntington—City let contracts paving to HARRISON & DEAN, 31st St., $4,384, 9th Ave., $17,616, Jefferson Ave., $17,831, 28th St., $7,733; L. J. GILLESPIE, 11th Ave., $10,864, 11th Ave., $5,339, 10th Ave., $11,542; G. HENKLE, Rockwood Ave., $12,173, 7th Ave., $4,699.

W. Va., New Martinsville—Wetzel County let contract road work in Church Dist. to FLOOD & VAN WIRT CO., Hudson Falls, N. Y. Noted July 20.

Ala., Birmingham—City let contract paving Mountain Terrace to DUNN CONSTRUCTION CO., $11,611.

Ala., Birmingham—City let contract paving portion Clairmont Ave. and 42nd St. to SOUTHERN BITULITHIC CO., Birmingham, $22,988. Noted May 18.

Miss., Columbus—Dist. No. 1 let contract 8 mi. gravel road to R. C. SEARCY & CO., Columbus; 4 mi. to J. M. WELLS, Columbus.

Miss., Laurel—City let contract paving 15 streets to SOUTHERN PAVING CONSTRUCTION CO., Chattanooga, Tenn.

La., New Orleans—(Official)—Highway Dept. let contract improving Monroe-Winnsboro Highway, Ouachita Parish, to WETZEL & CO. Alexandria, $109,634. Noted Aug. 17.

Tenn., Chattanooga—City let contract 42,000 sq.yd. paving to GULF PAVING CO., Chattanooga, $108,000.

Tenn., Lenoir City—City let contract paving portion Broadway and A St. to MURAY CONSTRUCTION CO., Knoxville, $25,000.

Ky., Covington—Kenton County let contract improving Madison Pike to C. HARRIS, $36,000.

Ky., Paducah—(Official)—City let contract paving portion Broadway to G. W. KATTERJOHN, Paducah $14,265. Noted Aug. 10.

Ky., Tompkinsville—State Highway Comn. let contract 3 mi. highway to J. H. NEWMAN, Tomkinsville.

Ohio, Alliance—City let contract paving, curbing and sewer in portion West Summit St. to J. C. DEVINE, $10,822.

Ohio, Bowling Green—Wood County let contract paving Needles Rd. to GAGHAN, McGHEE & STROHL, Custer, $12,000; Winnup Rd., C. D FINCH, $64,000; Chamberlain Rd., G. E. MERCER, Scotch Ridge, $8,000. Noted June 29.

Ohio, Cincinnati—Hamilton County let contract improving portion Dry Run Rd. to J. FUNKE. 2466 McMicken Ave., $43,426. Noted Aug. 31

Ohio, Cleveland—City let contract improving East Blvd. to STROMAN & BURKE, $5,541. Noted July 27.

Ohio, Defiance—Defiance County let contract improving portion Stanley Rd. to KITTERMAN & BLACKBURN, Mark Center, $21,585.

Ohio, East Liverpool—City let contract paving portion Pennsylvania Ave. to RINEHART BROS.; Summit Lane to J. M. RYAN & SON. Noted Aug. 10.

Ohio, Franklin—City let contract 12,000 sq.yd. paving to BIGLER BROS., Franklin, $2.15. per sq.yd. Noted June 1.

Ohio, Kent—City let contract paving portion Erie St. to HUNT & SON, $5,845.

Ohio, Lakewood—(Official)—City let contract paving Victoria Ave to PACE BROS., Cleveland $9,941. Noted June 29.

Streets and Roads (Continued)

Ohio, Lima—Allen County let contract paving 1¾ mi. Allentown Rd. to H. L. SOLOMON CO., Lima. Noted Apr. 6.

Ohio, London—Village let contract paving South Main St. to ANDREWS ASPHALT PAVING CO., Hamilton, $21,273. Noted Aug. 3.

Ohio, Mt. Gilead—City let contract paving East High and East Marion St. to GRAVES, BARRETT & LEATH, New London. Noted July 13.

Ohio, Napoleon—City let contracts paving to JOHNSON & RITZ, Scott St., $7,980, Filmore St., $12,125, Maple St., $5,048.

Ohio, Oxford—Village let contract paving portion High St. to BROOKS CONSTRUCTION CO., Ft. Wayne, Ind., $30 985. Noted Aug. 10.

Ohio, St. Bernard—(Official)—City let contract improving Broerman Ave. to J. DEMPSEY, Norwood.

Ohio, Salem—City let contract paving Jennings Ave. and East and West Greene St. to J. D. PAXSON. Noted Aug. 17.

Ohio, Springfield—City let contract paving East St. to McHUGH BROS., about $36,000.

Ohio, Springfield—City let contract improving Kenton St. to J. SHEEDY.

Ohio, Toledo—Lucas County let contract paving Tready Rd. to WARNER-McKECHNIE CO., Toledo, $28,469. Noted Aug. 10.

Ohio, Toledo—City let contracts paving and curbing to McKINNEY BROS., 662 Spitzer Bldg., Sugar Ave., $12,728, Eagle Lane $4,908; H. P. STREICHER & CO., 317 Terminal Bldg., Park Ave., Sec. 1, $10,911; HARRIS & TOUSEY, 221 Nasby Bldg., Worthington St., $8,343; H. J. HORAN, 420 Valentine Bldg., alley between Clark and Utah St., $12,407.

Ohio, Youngstown—City let contract paving Oakwood Ave. to VICTOR OLSON CONSTRUCTION CO.

Ind., Kingman—City let contract paving to E. PATTON & SON, Veedersburg.

Ind., Rushville—(Official)—County let contract roads Posey Township to C. E. REDINGTON, Greensburg, $15,615. Noted Aug. 17.

Ind., Vincennes—City let contract paving 9th St. to PREMIER CONSTRUCTION CO., $1.81 per sq.yd.

Mich., Coleman—City let contract improving 4th St. to F. W. BURTON, Kawkawlin.

Mich., Grand Rapids—City let contract paving portion Davis Ave. to HILDING & RABE, $15,889; Bates St., P. VANDER VEEN, $5,087.

Mich., Pontiac—City let contract repairing portion Orchard Lake Ave. to VANDERVEEN CONSTRUCTION CO., Grand Rapids.

Mich., St. Ignace—Mackinaw County let contract graveling east mile Moran Rd. to J. QUINN.

Mich., Wyandotte—City let contract paving to RICE CONSTRUCTION CO., Wyandotte.

Ill., Alton—Alton State Hospital let contract 12,000 sq.yd. paving and 33,000 ft. sidewalks to HOEFFKEN BROS. SUPPLY AND CONSTRUCTION CO., Belleville.

Ill., Catlin—Town let contract brick paving to H. C. FINLEY, Hoopeston, $19,910. Noted Aug. 10.

Ill., Elgin—(Official)—City let contract paving Bluff City Blvd. to McCARTHY IMPROVEMENT CO., Davenport, $12,440.

Ill., Elgin—(Official)—City let contract paving Raymond and Watch St. to LOGAN & GIERTZ CONSTRUCTION CO., Elgin, $39,573.

Ill., Elgin—(Official)—City let contract paving portion Commonwealth Ave. to ILLINOIS HYDRAULIC STONE AND CONSTRUCTION CO., Elgin, $8,503. Noted July 20.

Ill., Knoxville—(Official)—City rejected bids for 10,000 sq.ft. cement road. Noted Aug. 17.

Ill., Marion—City let contract paving Dist. No. 11 to MEYER & THOMAS, East St. Louis, $62,-112.

Ill., Peoria—(East Peoria)—City let contract paving East Washington St. to D. A. MEYERS, 209 West Armstrong St., Peoria, $36,000.

Ill., Springfield—(Official)—State Highway Comn. let contracts road work: J. BROGAN, Eldred, Greene County, Sec. "B," $4 491, Sec. "C," $4,528, Sec. "D," $4,515; A. WARD & SON, Oak Glen, Cook County, Sec. "N," $4,692; W. F. LODGE, Monticello, Piatt County, Sec. "C," $11,-387; J. D. VOGT, Belleville, St. Clair County, Sec. "B," $4,830, Sec. "C," $7,182, Sec. "D," $5,779.

Ill., Urbana—City let contract paving West Court St. to E. D. MURRAY, Dayton, Ohio, $19,000.

Wis., Appleton—Outagamie County let contract 2 mi. pavement Seymour-Oneida Rd. to GARVEY & WEYENBERG CONSTRUCTION CO., grading Oneida Rd., HAEGEL & CLARK.

Wis., Sheboygan—(Official)—City rejected bids for improving portion Giddings St. New bids next March. J. Donohue, York Bldg., Engr. Noted Aug. 17.

Wis., West Allis—Act. Bd. Pub. Wks. let contract improving portion Beloit Rd. to KROENING CONSTRUCTION CO., Majestic Bldg., Milwaukee. Noted Aug. 24.

Iowa, Clinton—(Official)—City let contract paving, curbing and guttering 5th, 6th, 7th, 8th and 9th St. to T. CAREY & SONS, Clinton, $48,816. Noted July 20.

Iowa, Denison—City let contract 22,000 yd. concrete paving and 11,000 ft. curbing to M. L. FLINN PAVING CO., Sioux City. Noted Aug. 17.

Kan., Chanute—City rejected bids for paving.

Kan., Iola—Allen County let contract paving 6½ mi. road to S. FRY. Noted Aug. 17.

Neb., Kearney—City let contract paving 21st, 22nd and 27th St. to E. D. TYNEI CONSTRUCTION CO., Kansas City, Mo., about $100,000.

Neb., Lincoln—(Official)—Lancaster County let contract paving in Dist. No. 15 to ROBERTS CONSTRUCTION CO., Lincoln, $2.10½ per sq.yd. Noted July 6.

S. D., Mitchell—City let contract 12,049 sq.yd. paving to C. H. ATKINSON, Watertown. Noted Aug. 10.

N. D., Grand Forks—City let contract paving and curbing to GRAND FORKS CONSTRUCTION CO. Noted June 15.

Mo., Independence—County let contract improving Swope Park-Hickman Mills Rd., Sect. 13, to P. A. HARTUNG, 200 Bryant Bldg., Kansas City.

Mo., Kansas City—Jackson County let contract paving to P. HARTUNG, Kansas City, $11,169.

Mo., Kansas City—Jackson County let contract grading and macadamizing Kentucky Ave. to GIDINSKY CONSTRUCTION CO., 3419 Kenwood Ave., $21,000.

Mo., Liberty—City let contract paving and curbing Misouri St. to J. T. CARR CONSTRUCTION CO. Noted June 1.

Mo., Poplar Bluff—City let contract grading 3 streets to H. H. JOLLY, Poplar Bluff. $10,000.

Tex., Dallas—City let contract paving to STANDARD ENGINEERING AND CONSTRUCTION CO., portion Pearl St., $21,039, Scurry St., $5,918; TEXAS BITULITHIC CO., Virginia Ave., $10,223.

Tex., Dallas—City let contract paving Beckley Ave. to STANDARD ENGINEERING AND CONSTRUCTION CO., $48,929, and WESTERN PAVING CO., $15,497. Noted July 13.

Idaho, Boise—City received low bid paving Warm Spring Ave. from E. B. Alsop, $44,059.

Utah, Salt Lake City—City let contract paving several streets to STRANGE & MAGUIRE, $30,-019. Noted Aug. 17.

Ariz., Pine Bluff—Low bidders road in Imprt. Dist. No. 15, (a) waterbound macadam, (b) stone and gravel, (c) gravel, (d) bituminous macadam, were: J. A. Perdue & Co., Pine Bluff, (a) $191,-518; (d) $214,261; E. Howard, Thorndale, Tex., (b) $200,066; American Construction Co., New Nelson Bldg., Kansas City, Mo., (c) $193,845.

Wash., Seattle—J. L. Smith, 143 21st St., at $23,413, low bidder for sidewalks Division St.

Calif., Berkeley—City let contract curbing, paving and guttering Franklin St. to OAKLAND PAVING CO., 5000 Broadway.

Calif., Berkeley—City let contract sidewalks on University and San Pablo Ave. to OAKLAND PAVING CO., 5000 Broadway, Oakland.

Calif., Burbany—M. T. Shafer, at $40,555, only bidder improving San Fernando Rd.

Calif., Glendale—Rodger Bros Co., Hiberian Bldg., Los Angeles, at $57,800, awarded contracts improving portion Canada Blvd.

Calif., Los Angeles—Bent Bros., Central Bldg., at $127,137, for Proposition "A," and Rogers Bros., at $125,015, for Proposition "B," low bidders for improving Sec. "D" of Mint-Canyon Rd.

Calif., Los Angeles—S. C. Contracting Co., Title Insurance Bldg., at $49,408, low bidder improving portion Mountain Ave.

Calif., Los Angeles—S. C. Contracting Co., Title Insurance Bldg., at $15,444, low bidder improving portion San Antonio Ave.

Calif., Marysville—City let contract paving several streets to FEDERAL CONSTRUCTION CO., Sharon Bldg., San Francisco. Noted June 22.

Calif., San Francisco—City let contract improving Balboa St. to O. McHUGH, 304 Russ Bldg., $11,841.

Calif., San Francisco—City let contract grading Cabrillo St. to J. H. FRANKS, 639 29th Ave., $8,516.

Calif., San Jose—(Official)—Santa Clara County let contract paving portion Campbell Ave. to RAISCH IMPROVEMENT CO., $6,250. Noted Aug. 10.

Calif., Santa Barbara—Santa Barbara County let contract grading 4.18 mi. Harris-Station-Lompoc County Rd. to R. SHRERER CO., 648 Pacific Electric Bldg., Los Angeles, $18,570.

Calif., Santa Monica—City let contract paving alleys to F. OCKERT, Santa Monica, $12,000.

Calif., Santa Rosa—Sonomo County let contract improving 7 mi. highway to WESTERN MOTOR DRAYING CO., 251 Noe St., San Francisco.

Calif., Ventura—Ventura County let contract improving 8.77 mi. Somas to Santa Clara River Rd., Div. 7, to A. HOLLAWAY, 471 South Broadway, Pasadena, $31,026. Noted Aug. 24.

Ont., Ottawa—City let contract paving Westmount St. to OTTAWA CONSTRUCTION CO., Central Chambers, $5,220.

Ont., Sault Ste Marie—City let contract paving Gore, Bay and Bruce St. to WARREN BITUMINOUS PAVING CO. OF ONTARIO, LTD., Toronto.

INDUSTRIAL WORKS

Proposed Work

N. H., Dover—Beckwith Box Toe Co. making plans for 4-story, 45x10-ft. addition. About $25,000. J. E. Richardson, Masonic Temple, Arch.

N. H., Somersworth—Great Falls Woolen Co. making plans for addition. About $25,000. I. W. Jones, Milton, Engr.

Mass., Chelsea—D. S. Ribock making plans for 1-story, 60x120-ft. garage. About $30,000. S. S. Eisenberg, 5A Everett Ave., Arch.

Mass., Malden—Malden Biscuit Co. making plans for 2-story, 40x80-ft. factory. About $15,-000. S. S. Eisenberg, 5 Everett Ave., Chelsea.

Mass., Somerville—Sprague-Hathaway Co., 201 Elm St., plans factory at 58 Dover St. H. M. Haven and W. W. Crosby, 40 Central St., Boston, Engr.

R. I., Shannock—Columbia Narrow Fabric Co. plans addition.

Conn., Bridgeport—J. T. Fisher & Co. made plans for 2-story, 40x90-ft. brick abattoir. Wannenwolsch & Co., 563 William St., Buffalo, N. Y., Arch.

Conn., Roxbury—Murray & Sorenson, 352 Pearl St., New York, making plans for factory at Roxbury.

N. Y., Albany—S. Wander & Sons Chemical Co., 75 Church St., plans 3-story, 70x100x127-ft. factory. About $70,000.

N. Y., Buffalo—(East Buffalo)—New York Central R.R. plans to enlarge stockyards. About $100,000. G. W. Kittredge, Grand Central Terminal, New York, Ch. Engr.

N. Y., Buffalo—Transmission Ball Bearing Co. plans plant. W. B. Chambers, Engr. W. J. Murray, Toronto, Ont., Pres.

N. Y., New York—(Brooklyn)—Louis Oxfeld & Sons, 361 Stone Ave., made plans for 1-story, 129x131-ft. garage on Prospect Pl. About $30,000. Cohn Bros., 363 Stone Ave., Arch.

N. Y., New York—(Brooklyn)—J. S. Rourke, 215 Ocean Parkway making plans for 2-story, 90x95-ft. brick factory at Potter Ave. and Cherry St. About $20 000. P. Tillion & Son, 372 Fulton St., Arch.

N. Y., New York—(Manhattan)—P. Lorrillard Co., 119 West 40th St., made plans for 8-story, 198x204-ft. factory. About $500,000. G. Knoche, 516 East 72nd St., Arch.

N. Y., New York—(Queens)—Emerson Motors Co. plans factory at Orton St. and Borden Ave., Long Island City.

N. Y., New York—(Queens)—A. Squires, College Point made plans for 1-story brick factory 6th Ave. and 19th St. About $12,000.

N. Y., New York—(Queens)—Van Iderstein Co. making plans for 5-story, 74x128-ft. rein.-con. factory on Newtown Creek, Long Island City. About $75,000. E. Hahn, Bridge Plaza, L. I., Arch.

N. Y., Penn Yan—Hammondsport Vintage Co. making plans for 2-story distillery. About $15,-000. C. W. Eldridge, Cutler Bldg., Rochester, Arch.

N. J., Dover—Downs-Slater Foundry Co., Wharton, plans factory on Salem St., Dover.

N. J., Jersey City—Maydrite Products Manufacturing Co. making plans for additions at Bergen and Ege Ave. O. E. Enell, Pres.

N. J., Newark—American Oil and Supply Co., 52 Lafayette St., plans 6-story warehouse on Lafayette St.

N. J., Newark—White Tar Co. plans plant along Hackensack River. B. Walker, Newark, Interested.

N. J., North Bergen—H. Goldberg, 314 Angelique St., West Hoboken, making plans for 2-story brick factory at North Bergen. About $10,-000. E. Guhl, 19 Charles St., Jersey City, Arch.

N. J., Weehawken—New York Central R.R., 42nd St. and Madison Ave., New York, plans ice house. G. W. Kittredge, Grand Central Terminal, New York, Ch. Engr.

Penn., Ardmore—Auto Car Co. making plans for addition. Stearns & Castor Stephen Girard Bldg., Philadelphia, Arch.

Penn., Creighton—Yost Bros. Co. plans 1-story, 50x100-ft. machine shop and foundry. About $20,000. W. F. Yost, Pres.

Penn., Florin—Backman Chocolate Co. plans 3-story addition.

Penn., Franklin—American Steel Foundries Co. plans addition.

Penn., Lancaster—Lancaster General Hospital making plans for 1-story, 44x55-ft. laundry. About $10,000. M. R. Evans, 10 East Orange St., Arch.

Penn., Lansford—G. Howard Bright, c-o Bright & Co., 506 Penn St., making plans for 1-story, 35x40-ft. garage. About $40,000. F. Muhlenberg, Colonial Trust Bldg., Arch.

Penn., Philadelphia—Bernstein Manufacturing Co. making plans for 2 factory buildings. About $25,000. A. J. Sauer & Co., 908 Chestnut St., Arch.

Penn., Pittsburgh—Pittsburgh Corrugated Paper Box Co. plans rein.-con. factory on East Ohio St., Northside.

Penn., Pittsburgh—Shanahan Transfer and Storage Co. plans warehouse. T. E. Cornelius, 1218 House Bldg., Arch. D. F. Shanahan, Magee and Ann St., Pres.

Industrial Works (Continued)

Penn., Punxsutawney—Punxsutawney Dairy Co. made plans for 2-story plant. About $10,000.

Penn., Sharon—American Steel Foundries Co., Franklin, plans addition.

Penn., Sharon—United States Steel Corporation plans additions at Farrell Works. About $3,000,000.

Penn., Swissvale—F. L. Arensberg plans 45x240-ft. brick plant at Palmer St. and Pennsylvania R.R.

Penn., Topton—Crown Knitting Co. plans 1-story, 62x157-ft. brick and concrete addition.

Penn., Woodstock—(Chambersburg post office)—Chapin Sacks Co. making plans for 2-story plant. About $40,000. C. D. Cooley Co., Century Bldg., Pittsburgh, Arch.

Penn., York—York Ice and Milk Co. plans addition. H. L. Neuman, West Church St., Pres.

Del., Wilmington—Wilmington Steel Co., subsidiary of Midvale Steel Co., plans addition.

Md., Baltimore—F. X. Ganter Co., 13 West Pratt St., receiving bids Oct. 1 for 5-story, 66x156-ft. factory. About $50,000. Noted Apr. 27.

N. C., Henry River—Henry River Manufacturing Co. plans 3-story, 75x150-ft. mill. About $60,000.

S. C., Carhartt—(Rockhill post office)—Hamilton Carhartt, 10th and Michigan St., Detroit, Mich., making plans for 3-story mill and 2 warehouses. N. G. Walker, Arch.

Ky., Frankfort—State Bd. of Prison Comrs. plans 3-story, 50x120-ft. factory.

Ky., Lexington—Forest Lumber Co. making plans for plant. About $200,000. S. E. Patton, Pres. and Mgr.

Ky., Owensboro—Rapier Grain and Seed Co. made plans for 2-story, 50x120-ft. grain elevator. About $10,000. A. Killian, Arch.

Ohio, Cincinnati—Banner Grocers Baking Co., Oak and Stanton Ave., made plans for 1-story addition. About $25,000. C. D. Cooley Co., Century Bldg., Pittsburgh, Arch.

Ohio, Cincinnati—Union Thread Co. making plans for factory and warehouse. About $40,000. H. N. Hooper, New Court House, Arch. Noted Aug. 24.

Ohio, Cleveland—J. L. Adler plans factory on Central Ave.

Ohio, Cleveland—Atlas Car and Manufacturing Co. made plans for 1-story, 120x240-ft. plant. About $60,000. N. S. Ferguson Co., 1900 Euclid Bldg., Arch. Noted July 20.

Ohio, Cleveland—Big Four Tire and Rubber Co. making plans for 3-story, 88x400-ft. factory. W. C. Owen & Co., Leader-News Bldg., Arch. Noted Aug. 31.

Ohio, Cleveland—Imperial Type Metal Co. plans factory on Mulberry St.

Ohio, Cleveland—Sanitary Tinning Co. made plans for 1-story factory. About $50,000. C. D. Cooley Co., Century Bldg., Pittsburgh, Penn., Arch. Noted Aug. 24.

Ohio, Galion—Galion Iron Works Co. made plans for 2-story, 50x85-ft. pattern shop. About $10,000. Althouse, Jones, Citizens Bldg., Mansfield, Arch.

Ohio, Lorain—National Stove Co. making plans for 2-story, 40x125-ft. warehouse. About $20,000. W. J. Carter, 1423 Illuminating Bldg., Cleveland, Arch. Noted Aug. 31.

Ohio, Lorain—National Tube Co. plans 2 open-hearth furnaces.

Ohio, Newark—Bucker Wetwash Laundry plans plant. H. Sweet, Toledo, Interested.

Ohio, Walnut Hills—(Cincinnati post office)—H. Builtemyer plans dairy on St. James Ave. About $25,000.

Ind., Terre Haute—Terre Haute Paper Co. plans factory. About $300,000.

Mich., Benton Harbor—Chicago Stove and Range Co., Fulton, Ill., plans plant at Benton Harbor.

Mich., Jackson—Aspinwall Manufacturing Co. plans addition.

Ill., Chicago—M. Briskin, 2137 Fowler St., made plans for 2-story shop. About $15,000. Morton Leviton, 155 North Clark St., Arch.

Ill., Chicago—Ford Motor Co., 49 East 39th St., plans 120x300-ft. service station at 4335 Broadway. About $60,000.

Ill., Chicago—G. W. Woodward, 5035 West Madison St., made plans for 1-story, 50x150-ft. garage. About $25,000. D. S. Pentecost, 127 North Dearborn St., Arch.

Ill., Chicago—Wright-Martin Aircraft Corporation plans addition.

Ill., Freeport—W. T. Rawleigh Co. plans plant. About $450,000.

Ill., La Salle—L. V. Orsinger made plans for 1-story addition to bakery. About $18,000. C. D. Cooley Co., Century Bldg., Pittsburgh, Arch. Noted Aug. 3.

Wis., Milwaukee—Munkwitz Realty Co. making plans for 3-story, 60x120-ft. garage. About $35,000. Kirchon Rose, Majestic Bldg., Arch.

Iowa, Atkins—Chicago, Milwaukee & St. Paul Ry. plans roundhouse, machine shop, etc. About $614,000. C. F. Loweth, Railway Exchange Bldg., Chicago, Ch. Engr.

Iowa, Davenport—Iowa Rubber Tire Co. plans factory. J. W. Bettendorf, of Bettendorf Car Works, Bettendorf, Interested.

Iowa, Ft. Madison—Artesian Ice Co. plans 1-story storage building. G. Little, Hamilton and Walker St., Mgr.

Iowa, North McGregor—Chicago, Milwaukee & St. Paul Ry. plans engine house, machine shop, warehouse, etc. About $570,000. C. F. Loweth, Railway Exchange Bldg., Chicago, Ch. Engr.

Minn., St. Paul—City Terminals and Warehousing Co. plans warehouses. About $1,000,000.

Minn., St. Paul—L. C. Erbes plans addition to factory at 2654 University Ave. About $75,000.

Minn., Winona—E. S. La France, Pekin, Wis., made plans for 2-story factory at Winona. About $25,000. E. A. Muhre, Choate Bldg., Winona, Arch.

Kan., Arkansas City—Milliken Refinery Co., Merchants Exchange Bldg., St. Louis, Mo., plans refinery at Arkansas City. About $1,000,000.

N. D., Minot—Armour & Co., Union Stock Yards, Chicago, plans 3-story plant at Minot.

Mont., Trident—Securities Cement Co., Denver, Colo., has taken over the plant of the Three Forks Cement Co., Trident, and plans to enlarge and improve same.

Mo., Cape Girardeau—J. A. Rigdon, 18 Aquamsi St., plans 2-story, 45x125-ft. laundry.

Ark., Little Rock—Central Supply Co., 120 Scott St., plans 4-story warehouse. About $40,000.

Tex., Stamford—Wotten Grocery Co. plans warehouse. About $20,000.

Wash., Seattle—Pacific Coast Bolt Co. plans plant on West Waterway. About $50,000.

Calif., Fresno—Cudahy Packing Co. made plans for 1-story brick packing house. About $20,000.

Calif., Oakland—Atlas-Imperial Engine Co. plans 80x250-ft. addition. About $25,000. A. Warenskjold, Pres.

Calif., Oakland—W. M. Greuner, Grant Ave., made plans for 2-story garage. About $25,000.

Calif., San Francisco—G. H. Umbsen making plans for garage on Sutter St. near Taylor St. About $20,000. A. G. Headman, Arch.

Ont., Forest—Lambton Flax Mills Co. plans 3 mills. About $75,000. H. Fraleigh, Mgr.

Ont., London—London and Port Stanley Ry. plans grain elevator. About $100,000. J. E. Richards, London, Treas. and Mgr.

Ont., Toronto—Harry Webb Co., Kendal Ave., plans factory. About $78,000.

Sask., Saltcoats—Saltcoats Flour Milling Co. plans to rebuild factory.

Bids In and Contracts Awarded

Maine, Bar Mills—National Fibre Board Co. let contract 2-story, 56x128-ft. factory to FISKE-CARTER CONSTRUCTION CO., 11 Foster St.

Maine, Winslow—Hollingsworth & Whitney Co. let contract addition to PROCTOR & BOWIE CO., Winslow.

N. H., Manchester—F. R. Atwood Box and Wood Manufacturing Co. let contract 1-story, 20x40-ft. factory to W. N. CRANES, Henniker. $40,000. Noted June 22.

N. H., Nashua—Asbestos Wood Co., Bridge St., let contract 1-story, 38x239-ft. addition to D. F. HOLT & SON, 282 Main St.

N. H., Nashua—Nashua Manufacturing Co., Factory St., let contract 4-story addition to NASHUA BUILDING CO., Temple St.

Mass., Abington—New York Photo Co. let contract 2-story, 40x125-ft. factory to McDONALD & KIVELL, 153 Milk St., Boston.

Conn., Bridgeport—American Chain Co. let contract addition on Connecticut Ave. to T. J. PARDY CONSTRUCTION CO.

Conn., Bridgeport—American Graphophone Co., 440 Hancock Ave., let contract 1-story, 70x200-ft. factory to S. AUSTIN & SONS CO., 416 Newfield Bldg.

N. Y., Buffalo—Excelsior Steel Ball Co. let contract 1-story, 50x115-ft. addition to BUFFALO STRUCTURAL STEEL CO., 106 Dart St. About $20,000.

N. Y., Canisteo—Up-To-Date Advertising Co. let contract addition to W. E. ADAMS, 61 4th St.

N. Y., New York—(Brooklyn)—Blecher Bros., 49 Nostrand Ave., let contract for 3-story brick addition to MEYER & SWEENEY, 384 Crown St. About $10,000.

N. Y., New York—(Brooklyn)—Chester Knitting Mills, 88 Junius St., let contract 4-story, 50x100-ft. factory to L. LAPIDUS, 850 Hopkinson Ave. About $25,000. Noted Feb. 3.

N. Y., New York—(Brooklyn)—McKeeson & Robbins, 91 Fulton St., let contract 6-story, 100x100-ft. rein.-con. factory at North 11th and Berry St. to INDUSTRIAL ENGINEERING CO., 30 Church St., Manhattan. About $105,000. Noted June 15.

N. Y., New York—(Brooklyn)—McNeil Iron Works let contract 1-story brick factory at 147 Imley St. to VINCENT SCALA, 73 Carroll St. About $10,000. Noted July 20.

N. Y., New York—(Manhattan)—Mallory Steamship Co. let contract 2-story warehouse and office building to J. MONKS & SONS, 82 Beaver St. About $50,000.

N. Y., New York—(Manhattan)—Tauber Rytenburg Knitting Co., 78 Leonard St., let contract factory to E. J. & M. MANGAN, Pottsville, Penn.

N. Y., Rochester—G. W. Chesbrough, 107 St. St., let contract 1-story, 50x75-ft. factory to F. SCHUBMEHL, 495 Bernard St. About $10,000.

N. Y., Rochester—Clark Paper and Manufacturing Co. let contract masonry for warehouse to F. STRAUCHEN, 309 Portland Ave. About $30,000. Noted Aug. 10.

N. Y., Schenectady—General Electric Co. let contract 1-story turbine manufacturing building No. 60 to S. AUSTIN & SONS CO., 14230 Euclid Ave., Cleveland, Ohio.

N. Y., Utica—Utica Warehouse Co. let contract 1-story, 100x400-ft. warehouse to GRIFFITH & PIERCE, 618 Charlotte St. About $100,000.

N. Y., Watertown—Hahn Paper Co. let contract storehouse and machine shop to WILLIAM CHARLEBOIS, Otis Bldg. About $15,000.

N. Y., Wellsville—Moore Steam Turbine Co. let contract 1-story plant to S. AUSTIN & SONS CO., 14230 Euclid Ave., Cleveland, Ohio. Noted Aug. 3.

N. J., Bloomfield—Sprague Electric Works, subsidiary of General Electric Co. let contract 3-story addition to J. W. FERGUSON, United Bank Bldg., Paterson. About $750,000. Noted July 27.

N. J., Delawanna—Minwax Co., 18 East 41st St., let contract 1-story, 150x150-ft. factory to J. J. O'LEARY CO., 500 Bloomfield Ave., Passaic. About $25,000. Noted July 6.

N. J., Jersey City—Swift Co., 9th St., let contract 4-story, 60x68-ft. cooperage plant to BLOME, SINEK CO., 139 North Clark St., Chicago. About $25,000.

N. J., Maurer—Barber Asphalt Paving Co. let contract 2-story, 60x165-ft. warehouse to NATIONAL ENGINEERING CORPORATION, Lowell, Mass. About $27,000. Noted Aug. 31.

N. J., Perth Amboy—Perth Amboy Manufacturing Co. let contract 2-story, 70x70-ft. factory to I. R. CROUSE, 495 State St. About $15,000.

Penn., Ephrata—United Cigar Co. let contract 4-story, 38x86-ft. brick addition to A. L. GERHART.

Penn., Franklin—Comrs. Venango County let contract 1-story, 30x75-ft. laundry to H. W. LONG, Franklin. About $10,000. Noted Apr. 13.

Penn., Marcus Hook—Congoleum Co. let contract plant to W. W. LINDSAY & CO., Harrison Bldg., Philadelphia $119,000. Noted Mar. 16.

Penn., Philadelphia—E. M. Harris, let contract 3-story brick and rein.-con. warehouse at 33rd and Arch St. to IRWIN & LEIGHTON, Philadelphia. About $100,000.

Penn., Philadelphia—D. M. Ellis, Narberth, let contract for 2-story, 24x30-ft. factory at Philadelphia, to ROBERT BROS., 2422 Palethorp St. About $12,000.

Penn., Philadelphia—J. Morrell & Co., 418 New Market St., let contract 3-story, 50x120-ft. rein.-con. packing house at Darien and Noble St. to J. N. GILL & CO., 1215 Filbert St.

Penn., Philadelphia—J. J. Wolf., 927 North 5th St. let contract 2-story, 36x133-ft. brick, stone and concrete bottling plant to PHILIP HAIBACH CONTRACTING CO., 26th and Thompson St. About $50,000. Noted Aug. 3.

Penn., Pittsburgh—Fisk Rubber Co., 5933 Baum Blvd., and Pittsburgh & Paige Motor Co., 416 North Craig St., let contract 2-story garage and salesroom to J. L. STUART, 233 Oliver Ave. About $100,000.

Penn., Pittsburgh—White Co., Craig and Baum Blvd., let contract 2-story garage and salesroom to J. L. STUART, 233 Oliver Ave. About $50,000.

Penn., Vernon—Pittsburgh Cold Rolled Steel Co., 39th St. let contract plant to McCLINTIC MARSHALL CO., Oliver Bldg., Pittsburgh.

Miss., Vicksburg—Anderson-Tully Co. let contract mill to BURKES CONSTRUCTION CO., Hattiesburg. About $25,000. Noted May 18.

Ohio, Cleveland—K. V. Painter, 3240 Fairmont Blvd., Shaker Heights, let contract 1-story, 73x192-ft. factory to FERGUSON FLANIGAN CO., Vickers Bldg., Cleveland. About $20,000.

Ohio, Cleveland—J. Vojeski, 2738 East 9th St. let contract 2-story addition to laundry to A. HULET, 15279 Saranac Rd.

Ohio, Elyria—Prestell Co. received lowest bid for 1-story factory from A. Graupner, 1010 A St. About $30,000.

Ohio, Youngstown—Brier Hill Steel Co. let contract 100-ton openhearth furnaces to LACKAWANNA BRIDGE CO., Buffalo. About $700,000. Noted Aug. 17.

Ohio, Youngstown—Trussed Concrete Steel Co. let contract addition to plant to HUNTER CONSTRUCTION CO., Youngstown. Noted May 4.

Ind., Indiana Harbor—American Steel Foundries Co., let contract 1-story, 100x178-ft. forge shop to SUMNER SOLLITT CO., 79 East Adams St., Chicago.

Ind., Indianapolis—National Motor Vehicle Co. let contract 3-story addition at 22nd St. and Monon R.R. to BEDFORD STONE AND CONSTRUCTION CO., 810 Fletcher Savings and Trust Bldg., Indianapolis. Noted Sept. 30.

Ind., Indianapolis—Warehouse Realty Co. let contract 5-story, 70x140-ft. warehouse to HALL-CURRY CONSTRUCTION CO., 807 Bd. Trade Bldg. About $80,000.

Mich., Adrian—Adrian Steel Castings Co. let contract rebuilding factory to C. E. DIBBLE, 14 East Butler St. About $20,000. Noted Aug. 24.

Industrial Works (Continued)

Mich., Detroit—Palace Model Laundry Co. let contract 3-story, 30x130-ft. addition to CULBERTSON & KELLY, 814 Ford Bldg.

Mich., Grand Rapids—Consumers Ice Co. let contract 1-story plant to J. McNABB & SONS, Murray Bldg. About $60,000. Noted May 11.

Mich., Muskegon Heights—Enterprise Brass Works let contract 3-story, 50x150-ft. machine shop to J. H. SMITH, Murray Bldg., Grand Rapids, Mich. About $35,000.

Ill., Assumption—Lacharite Grain Co. let contract elevator to YOUNGLOVE CONSTRUCTION CO., United Bank Bldg., Sioux City, Iowa. About $14,000. Noted July 13.

Ill., Chicago—Armstrong Bros. Tool Co. let contract addition to ANDERSON, STRANDBERG CO., 19 South La Salle St. About $50,000.

Ill., Chicago—Kedzie Foundry Co. let contract 1-story, 40x200-ft. foundry to HOEFFLER & CO., 53 West Jackson Blvd. About $20,000.

Ill., Chicago—Variety Manufacturing Co., 2942 Carrol Ave., let contract masonry for 3-story addition to PETER OLSEN CO., 19 South La Salle St.

Ill., Downers Grove—F. W. Simpson, 11 Merchants Bank Bldg., Aurora, will build 3-story, 50x100-ft. addition at Gowners Grove by day labor.

Ill., North Chicago—Brown Portable Elevator Co. let contract addition to NORTHERN ILLINOIS INDUSTRIAL CO., North Chicago.

Wis., Beloit—Chesborough & Moss Co. let contract 2-story warehouse to W. FITZGERALD, Pleasant St., Beloit. About $16,000. Noted Aug. 3.

Wis., Milwaukee—Chicago, Milwaukee & St. Paul Ry. let contract grain elevator to R. H. FOLWELL, 332 McCormick Bldg., Chicago. About $100,000.

Minn., St. Paul—Specialty Manufacturing Co. let contract 2-story, 60x114-ft. factory to ALBINSON CONSTRUCTION CO., Plymouth Bldg., Minneapolis. About $20 000. Noted Aug. 17.

Minn., South St. Paul—Swift & Co. let contract for plant to BUTLER BROS., 1002 New York Life Bldg., St. Paul. About $150,000.

Minn., Winona—S. L. Prentise let contract 2-story garage to MADSEN CONSTRUCTION CO., Plymouth Bldg., Minneapolis. About $30,000.

Kan., Topeka—A. Marburg, 931 Harrison St., let 1-story addition to printing plant at 633 Jackson St. to METZ & HARKNESS, 302 Taylor St. About $10,000. Noted July 20.

Neb., Omaha—Home Builders, Brandeis Theater Bldg., let contract 2-story 40x66-ft. printing house on 18th St. to BUSK & WIND, 543 Range Blk. About $10,000.

Mont., Billings—Yellowstone Packing Co. let contract rein.-con. warehouse to GAGNON & CO. About $60,000. Noted Dec. 30.

Mo., Kansas City—Board Education let contract 11-story, 14x104-ft. warehouse and shop to A. G. HARPER, 1930 Indiana Ave.

N. M., Las Vegas—Atchison, Topeka & Santa Fe Ry. let contract roundhouse to C. A. FELLOWS, Los Angeles, Calif., $150,000. C. F. W. Felt, Railway Exchange Bldg., Chicago, Ch. Engr.

Wash., Seattle—American Can Co. let contract plant to A. W. QUIST & CO., Hope Bldg., Seattle, $250,000. Noted June 15.

Calif., Orange Cove—Orange Cove Citrus Association let contract packing plant to F. J. GEISER. Noted June 29.

Ont., Niagara Falls—Pollard Manufacturing Co., Ferguson Ave., let contract brick and steel foundry to SNYDER & GILLETT, Niagara Falls.

Alta., Edmonton—Canadian Northern Ry. let contract brick and concrete machine shop and storehouse to E. N. NESBIT, 10041 118th St. About $55,000.

FEDERAL GOVERNMENT WORK

Proposed Work

Maine, Skowhegan — Post Office — Treasury Dept., Superv. Arch. Office, Washington, D. C., receiving bids Oct. 6. J. A. Wetmore, Act. Superv. Arch.

N. H., Berlin—Post Office—J. A. Wetmore, Act. Superv. Arch., Treas. Dept., Washington, D. C., receiving bids Oct. 5.

Mass., Buzzards Bay—Removal of Wreck—U. S. Engineer Office, Newport, R. I., receiving bids Oct. 2 for removal of wreck of "Yankee" in Buzzards Bay. (See adv.)

Mass., Ft. Warren—Road—Quartermaster, Ft. Warren, receiving bids Sept. 21.

Mass., Pocasset — Building — Lighthouse Inspector, Boston, receiving bids Sept. 21, for signal house, Wing's Neck Light Station.

Penn., Philadelphia—Post Office—J. A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., receiving bids Sept. 11, alterations. Noted July 27.

D. C., Washington—Cement Sidewalks—Dist. Comrs. receiving bids Sept. 15. O. P. Newman, Comr. (See adv.)

Va., Norfolk—Dry Dock—Navy Dept. soon receives bids, Norfolk Navy Yard. About $3,500,000. Noted May 25.

W. Va., Buckhannon—Post Office—J. A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., receiving bids Oct. 12.

W. Va., Wheeling—Lock and Dam—F. H. Jackson, U. S. Engr., Wheeling, soon receives bids for lock and dam at Ohio River below Little Guyandot River, at Millwood and Point Pleasant. Locks about $600,000 each.

Ky., Louisville—Gate Valves—U. S. Engineer Office receiving bids Sept. 23, Lock No. 41, Ohio River. (See adv.)

Ill., Chicago—Timber Crib Breakwater—U. S. Engineer Office, 508 Federal Bldg., Chicago, receiving bids Sept. 26, Chicago Harbor. (See adv.)

N. D., Dickinson—Post Office—J. A. Wetmore Act. Superv. Arch., Treasury Dept., Washington, D. C., receiving bids Oct. 16. Noted Apr. 13.

Calif., Los Angeles—Cement—Maj. Pillsbury, Corps Engr., U. S. A., 723 Central Bldg., receiving bids Sept. 15 for 18,500 bbl. cement, 11,000 tons sand and 22,000 tons crushed stone for Ft. MacArthur, San Pedro Harbor.

Calif., San Francisco—Water System—Constructing Quartermaster, Ft. Mason, receiving bids Sept. 18, at Presidio.

Calif., Vallejo—Crane—Navy Dept. making plans for 250-ton floating crane for Mare Island Navy Yard. Bids soon received. About $600,000.

Panama—Miscellaneous Supplies—General Purchasing Officer, Panama Canal, Washington, D. C., receiving bids Sept. 21.

Bids In and Contracts Awarded

Maine, Rumford—Post Office—U. S. Government let contract to NEWPORT CONTRACTING AND ENGINEERING CO., Newport News, Va., $53,700. Noted Aug. 31.

N. Y., New York—Pumping Plant—U. S. Government let contract, Appraiser's Stores building, to ALMIRALL & CO., 1 Dominick St., New York, $6,590.

D. C., Washington—Air Compressors—Bureau of Supplies and Accounts, Navy Dept., received bids under Schedule 9981 as follows: Norwalk Iron Works, South Norwalk, Conn., $2,600 each; Sullivan Machinery Co. Chicago, $3,894 each; Platt Iron Works, Dayton, Ohio, $4,590 each; Worthington Pump and Machinery Co., 115 Broadway, New York, $4,950; Ingersoll-Rand Co., 11 Broadway, New York, $4,680 each; General Ordnance Co., Groton, Conn., $6 525 each. Noted Aug. 10.

N. C., Burlington—Post Office—Government rejected bids received Aug. 11 for post office. Noted Aug. 17.

Tenn., Nashville—Post Office—J. A. Wetmore, Superv. Arch., Treasury Dept., Washington, D. C., received bids, alterations, from Norman Ker Co., New York, $347,400; R. P. Farnsworth, Owensboro Ky., $349.300; G. E. Wyne, Washington, D. C., $366,800. Noted July 13.

Ohio, Ashland—Post Office—Low bids received Aug. 25, (a) limestone, (b) sandstone, from West Chester Engineering Co., White Plains, N. Y., (a) $91,250, (b) $98,000; James Devault, Canton, (a) $94,500, (b) $98,500; J. G. Unkefer & Co., Minerva, (a) $94,566, (b) $100,316. Noted July 27.

Ohio, Newark—Post Office—U. S. Government let contract to T. W. CISSEL, Wooster, Ohio, $103,400. Noted Aug. 24.

Ill., Great Lakes—Filter Plant—Low bids received Aug. 26 for filter plant at Naval Training Station, (a) Government's specifications, (b) bidder's specifications, from, International Filter Co., Chicago, (b) $5,425; Pittsburgh Filter Manufacturing Co., Pittsburgh, (a) $5,700, (b) $5,700; New York Continental Jewell Filtration Co., New York, (a) $6,466, (b) $6,101. Noted Aug. 10.

Wyo., Powell—Canal Work—U. S. Reclamation Service received low bids Aug. 18 for canal system on 2d unit of Frannie Division, Shoshone Project, (a) Schedule 1, (b) Schedule 2, (c) Schedule 3, (d) Schedule 4 from Hoyt Hayden, Great Falls, Mont., (a) $25,500, (b) $15,750, (c) $30,940, (d) $41,500; G. P. Wright, Tacoma, Wash., (a) $27,084, (c) $32,257, (d) $40,145; Tebbs & Taggart, Cowley, (b) $15,823; J. E. Hilton, Billings, Mont., (a) $26,020, (b) $15,720, (c) $34,270, (d) $42,260. Noted July 20.

Mont., Malta—Earthwork—U. S. Reclamation Service let contract, Nelson Reservoir, South Canal, Milk River Project, to J. O'CONNOR and J. T. WHALEN, Malta, $108,352. Noted Aug. 31.

N. M., Carlsbad—Earthwork—U. S. Reclamation Service let contract, McMillan Reservoir spillways, to J. MULLIGAN, El Paso, Tex., $45,452. Noted Aug. 17.

Calif., San Francisco—Pipe Line—Navy Dept. received only bid for submerged pipe line at Naval Training Station from T. Crowley, Embarcadero St., 4-in. pipe, $19,913, 6-in. pipe, $26,967. Noted Aug. 10.

CANALS, DITCHES AND IRRIGATION

Proposed Work

Fla., Bartow—Drainage—City plans drainage and canal systems connecting 20 lakes. About $25,000 and $15,000 respectively.

Tenn., Paris—Drainage—District being formed to drain about 100,000 acres along Big Sandy River. Address W. I. Dale, Paris, Clk. County Court.

Ill., Highland Park—Drainage—Drainage Dist. No. 1 making plans for drainage work. C. E. Russell, Court House, Waukegan, Engr.

Ill., Quincy—Drainage—Indian Grave Drainage Dist. will sell $300,000 bonds for system of diversion channels. W. A. Grieser, Chn. Comrs.

Iowa, Boone—Drainage—Bd. Superv. receiving bids Sept. 11 for Drain No. 134, Harrison Township. Address Clk., Boone.

Iowa, Ft. Dodge—Drainage—County receiving bids Sept. 14 for Drain No. 238. About $13,570. J. L. Hanrahan, Ft. Dodge, County Audr.

Iowa, Ft. Dodge—Ditch—Webster County plans drainage ditches. About $430,000. J. H. Hanrahan, Ft. Dodge, County Audr.

Iowa, Harlan—Drainage—Shelby County soon receives bids for Drainage Dist. No. 9, Fairview Township. About $40,000. E. Shell, Harlan, County Audr.

Iowa, Knoxville—Drainage—County receiving bids Sept. 11 for 1,750 ft. 12-in. tile drain. J. T. Schlotterback, Knoxville, County Audr.

Minn., Ada—Ditch—Norman County Comrs. plan. Lockhart Township. Address County Clk., Ada.

Minn., Buffalo—Ditch—Wright County receiving bids Sept. 11 for Ditch No. 30. J. A. Berg, Buffalo, County Audr.

Minn., Cambridge—Ditches—Isanti County receiving bids Sept. 14 for County Ditch No. 11, 59,928 cu.yd., $8,958; County Ditch No. 13, 79,867 cu.yd., $12,137; County Ditch No. 15, 63,470 cu.yd., $8,944. G. C. Smith, Cambridge, County Audr.

Minn., Moorehead—Ditches—Clay County plans Ditches Nos. 26, 27 and 38. About $27,871. Address County Clk., Moorehead.

Minn., Moorehead—Ditch—Clay County plans Ditch No. 39. About $39,000. Address County Clk., Moorehead.

Mo., Cottleville—Cottleville Drainage Dist. receiving bids Sept. 12 for drainage ditches in Dardenne Creek bottoms. M. L. Currier, Pres. T. N. Jacob, Cahokia Bldg., East St. Louis, Ill., Consult. Engr.

Ark., Pine Bluff—Drainage—Drainage Dist. No. 7, Jefferson County, retained Parkes Engineering Co., Pine Bluff, to make plans for draining about 8,000 acres.

Tex., McKinney—Reclamation—Collin County voted $41,000 bonds for reclaiming lands in Pilot Creek. Address County Clk., McKenney.

Ore., Lakeview—Reclamation—Lake and Wasco Counties making plans for reclamation work. About $1,726,000. J. H. Lewis, Salem, State Engr.

Ore., Vale—Drainage—Warm Springs Irrigation Dist. will issue $750,000 bonds for dam and improving distribution system.

Calif., Merced—Drainage—Atwater Drainage Dist. making plans to drain about 2,000 acres. G. F. Morell, interested. Noted June 15.

Calif., Riverside—Irrigation—California Farm and Irrigation Co., San Francisco, applied to State Water Comn. for permission to appropriate waters of Colorado River to irrigate about 60,000 acres to be known as Palo Verde Irrigation Canal. About $2,300,000.

Bids In and Contracts Awarded

Mich., Hastings—Drainage—County Drain Comr. let contract Second Lake Drain to WOOLMAN CONSTRUCTION CO., Port Huron, $9,000.

Ill., Quincy—Pumping Station—Comrs. Fabius Drainage Dist. let contract to G. T. CROUCH, Hannibal.

Iowa, Clarinda—Ditch—Contract Johnson Run Ditch let to R. F. MORROW, Omaha, Neb.

Iowa, Forest City—Ditch—Bids received for Drain No. 61 rejected. C. K. Nelson, County Audr. Noted Apr. 13.

Iowa, Muscatine—Levee—Drury Drainage Dist. rejected bids for rebuilding protecting levee. About $60,000. Noted July 27.

Minn., Litchfield—Ditch—A. Polquist, County Audr., let contract Judicial Ditch No. 3, 141,742 cu.yd., to G. E. BROWN, Litchfield, at 11c. per cu.yd.

Minn., St. James—(Official)—Ditch—Watonwan County rejected bids received Aug. 15 for Judicial Ditch No. 11. J. C. Jensen, St. James, County Audr. Noted Aug. 10.

Neb., Rushville — (Official)—Drainage—Horseshoe Lake Drainage Dist. let contract cleaning water course and ditch construction to F. M. CRANE CO., City National Bank Bldg., Omaha. About $20,000. Noted Aug. 3.

Wash., Seattle—Drainage—Drainage Dist. No. 4, 715 New York Blk., let contract draining 100 acres in Issaquah Valley to CHAMBERLAIN CONSTRUCTION CO., Globe Blk., $10,364. Noted Aug. 24.

Calif., Lindsay—Irrigation—Lindsay Strathmore Irrigation Dist. let contract to J. KENNEDY, Los Angeles, $1,231,240. Noted Aug. 3.

Calif., Stockton — Reclamation — Reclamation Dist. No. 999 let contract reclamation work to CALIFORNIA DELTA FARMS CO., $600,000.

Calif., Woodland—Pumping Station—Board Dir., Reclamation Dist. No. 1600 let contract pumping station to YUBA CONSTRUCTION CO., Marysville. About $23,147.

Que., Three Rivers—Dredging— Canadian Government let contract, to LA COMPAGNIE GENERALE D'ENTREPRISES PUBLIQUES, P. O. Box 148, Levis.

MISCELLANEOUS

Proposed Work

N. H., Nashua—Comfort Station—City making plans. W. T. Towner, 366 5th Ave., New York, Arch. G. P. Winn, City Engr.

Mass., Fall River—River Improvements—Quequechan River Comn. retained H. K. Barrows, Consult. Engr., 6 Beacon St., Boston, to make plans for improving Quequechan River. Noted Feb. 17.

N. Y., New York—(Bronx)—Amusement and Exposition Park—West Farms Amusement Park Co. making plans. About $1,500,000. K. M. Murchison, 101 Park Ave., Arch. Noted May 25.

N. J., Longport—Seawall—City Comn. retained Case Coast Construction Co. to make plans, concrete, 1 mi. long. About $275,000.

N. J., New Brunswick—Natatorium—Alexander Merchant, Arch., 363 George St., making plans, 2-story, 25x85-ft. About $10,000.

Penn., Brownsville—Undergrade Crossing—Monongahela Ry. plans. About $30,000. D. K. Orr, Brownsville, Ch. Engr.

Penn., Cambridge Springs—Comfort Station—City plans Marcy Park.

Penn., Erie—Monument—Perry Victory Com. of Pennsylvania receiving bids about Sept. 15. E. Sisson, 722 State St., Chn. J. Windrim, Commonwealth Bldg., Philadelphia, Arch.

Penn., Erie—Retaining Wall—City making plans for retaining wall of subway and paving of streets. Faulkner G. Lynch, City Engr.

Penn., Linwood Station—Fire House—Linwood Heights Fire Co. making plans, 2-story, 25x50-ft. About $6,000. G. R. Shephers, Arch.

Md., Cumberland—Subway—Baltimore & Ohio Railroad Co. plans, Green St. About $70,000. F. L. Stuart, Baltimore, Ch. Engr.

Va., Arlington—Memorial Monument—Ladies Auxiliary A. O. H. made plans. About $50,000. E. R. Jolly, 59 West Ave., Pawtucket, R. I., Chn.

N. C., Hendersonville—Dam—C. Gresham plans, Kanuga Lake.

Ga., Tallulah Falls—Wireless Station—Georgia Railway and Power Co. plans wireless station at Tallulah Falls power plant. A. D. Whitteeker, Jr., interested. G. W. Brine, Electric and Gas Bldg., Atlanta, Vice-Pres. and Gen. Mgr.

Fla., Clearwater—Dock—City Council plans dock to extend 600 ft.

Fla., Tampa—Dock—City making plans, 300 ft R. D. Martin, City Engr.

Ala., Dauphin Island—Docks—State Harbor Bd. plans. A. G. Ward, Chn.

Miss., Pass Christain—Seawall—Plans approved for concrete seawall and rein.-con. revetment, 13,200 ft. About $150,000. Address City Clk.

Ohio, Cincinnati—Ice Rink—Springer-Wood Co. plans, Gilbert Ave. H. C. Wood, interested. M. R. Carpenter, Arch.

Ohio, Cleveland—Truck—City plans to purchase 8-ton auto truck. R. Hoffman, City Engr.

Ohio, Dayton—Dam—City Comrs. will issue $43,000 bonds, Island Park. F. O. Eichelberger, City Engr. Noted Aug. 24.

Ohio, Defiance—Elimination Grade Crossing—City plans, Perry St. V. D. Weinsenburger, City Clk.

Ohio, Euclid—Park Site and Bathing Beach—Village votes in November on $200,000 bonds. N. J. Brewer, Village Atty.

Ohio, Mansfield—Swimming Pool—City plans North Park. G. H. Lowrey, Mayor. O. Hursh, Serv. Dir.

Ohio, New Philadelphia—Elimination Grade Crossing—City plans eliminating grade crossing over Pennsylvania Lines West of Pittsburgh at North 7th St. G. E. Arnold, City Engr.

Ohio, Painesville—Retaining Wall—Lake County plans, bank Grand River. About $40,000.

Ind., Huntington—Fire Station—City plans. P. E. Latchen, City Engr.

Ind., Indianapolis—Widening Creek—City making plans for widening Fall Creek. B. J. T. Jeup, City Engr.

Mich., Battle Creek—Comfort Stations—City made plans, 1 in McCamly Park and other at Jackson and Madison St. E. W. Arnold, Arch.

Mich., Detroit—Bath House—Park Comrs. plan addition to Belle Isle Bath House. About $200,000. W. T. Dust, Park Comr.

Mich., Detroit—Grade Separation—Michigan Central R.R., Pere Marquette R.R. and Wabash Railway Co. plan, on west side. About $2,000,000. E. M. Walker, Passenger Terminal Station, Detroit, Grade Separation Engr. Michigan Central R.R.

Mich., Mt. Clemens—Dredging Machine—City Council plans to purchase. About $5,500.

Ill., Charleston—Natatorium—Swimming Club plans. W. I. Sidwell, interested.

Ill., Chicago—Bathing Beaches—City Special Parks Comn. plan $3,000,000 bond issue. A. Eugene Block, Chn. Com.

Ill., Chicago—Ice Skating Rink—Springer Wood Co. making plans 1- and 2-story, 100x360-ft. About $200,000. C. Wood, Union Central Bldg., Cincinnati, Pres. S. H. Dunford, 10 South La Salle St., Arch.

Ill., East St. Louis—Market—Mississippi Valley Produce Growers Association plans. About $50,000.

Ill., Edwardsville—Creek Improvements—Madison County plans improving Cahokia Creek. About $65,000.

Ill., Valley—Retaining Wall—Wabash Railway Co. plans, Illinois River to prevent washing out tracks. About $200,00. A. O. Cunningham, Railway Exchange Bldg., St. Louis, Mo., Ch. Engr.

Iowa, Council Bluffs—Straightening River—County Superv. plans, Mosquito Creek, 7 mi.

Minn., Cambridge—Fire Station—City soon votes on $15,000 bonds for addition.

Minn., Highwood—(St. Paul post office)—Shelter House—Board Comrs., Ramsey County, receiving bids Sept. 5. G. J. Ries, Court House, St. Paul, County Audr.

Neb., Lincoln—Oil Storage Tank—City receiving bids Sept. 12. T. H. Berg, City Clk.

S. D., Redfield—Tunnel Work—State Bd. of Charities receiving bids Sept. 11 for foundation and tunnel work for building for Home for Feebleminded. W. H. King, Secy. State Bd. of Charities. C. H. Johnston, St. Paul, Minn., Arch.

Mont., Billings—Market Shed—Farmers Exchange Co. soon lets contract.

Mo., Macon—Park and Lake—City plans. G. B. Smiley, interested.

Mo., Moberly—Subway—Wabash Railway Co. plans, Rollins St. About $18,246. A. O. Cunningham St. Louis, Ch. Engr.

Mo., St. Louis—Ice Skating Rink—Winter Garden and Ice Co. making plans ice-skating rink, factory and warehouse. About $150,000. T. P. Barnett & Co., 705 Olive St., Arch. Noted Aug. 31.

Mo., St. Louis—Tunnel—Anheuser-Busch Brewing Association applied to Bd. Pub. Serv. for permission for tunnel under Broadway between Arsenal and Pestalozzi St.

Tex., Dallas—Elimination Grade Crossings—City plans, Maple and Lemmon Ave. and Cedar Springs Rd. H. Moseley, City Engr.

Tex., Dallas—Natatorium—G. S. Leachman plans, 1816 South Harwood St. About $25,000.

Tex., Dallas—Park—City made plans. About $250,000. Koch & Fowler, Arch. H. Moseley, City Engr. Noted Apr. 20.

Tex., Port Arthur—Fire Alarm System—State Attorney General's Dept. approved $34,000 bond issue.

Tex., Waxahachie—Levee—Ellis County soon lets contract levee on Trinity River in Levee Dist. No. 2. About $123,000, bonds sold. Noted Mar. 30.

Okla., Cushing—Pipe Line—Sinclair Oil Co., Tulsa, plans, from Cushing to Chicago, Ill.

Okla., Oklahoma—Flood Protection—G. V. McClure, City Engr., made plans for straightening channel North Canadian River from Oklahoma to Harrah, 170 mi. Noted Aug. 3.

Ariz., Jerome—Terminal—United Verde & Pacific Ry. plans switchback and moving terminal. About $100,000. T. C. Roberts, Jerome, Ch. Engr.

Wash., Spokane—Artificial Skating Rink—Spokane Arena Co. plans. About $100,000. W. H. Wraight, 824 Noroa St., interested.

Calif., Fresno—Natatorium—C. W. Stewart made plans, 125x150-ft., brick and cement. Glass & Butner, Arch.

Calif., San Rafael—Channel—City soon votes on $50,000 bonds for improving San Rafael channel.

B. C., Vancouver—Dock—Canadian Pacific Ry. making plans. About $1,000,000. J. G. Sullivan, Winnepeg, Man., Ch. Engr. Noted June 29.

Bids In and Contracts Awarded

Mass., Boston—(Brighton)—Cement—City received lowest bid for portland cement from P. J. O'Connell, 174 Freeport St. Dorchester.

Mass., Chicopee—Retaining Wall—Waterways and Pub. Lands Comn. let contract to D. F. CROWLEY, 658 Adams St., East Milton. Noted Aug. 24.

N. Y., New York—(Bronx)—Pier—City received bids Aug. 25 for repairing pier at foot of Fordham Ave., City Island, from A. M. Hazell, Inc., 90 West St., Manhattan, $7,836; Riverside Contracting Co., $8,822; Phoenix Construction Co., $8,972. Noted Aug. 24.

N. J., Princeton—Monument—Princeton Battle Monument Association let contract to MATTHEWS CONSTRUCTION CO., Princeton.

Penn., Erie—Drift Catcher—F. H. Diefendorf, Erie, $8,942, submitted lowest bid for series of 20 rein.-con. piers, connected by walkway at top, to form drift catcher across Valley of Mill Creek, Glenwood Park. T. Hanlon, City Clk. Noted Aug. 10.

Penn., Homestead—Retaining Wall—St. Michael's Cemetery let contract to MURRAY & KOSGROVE, Homestead.

Penn., Philadelphia—Comfort Station—J. Connor, Philadelphia, $6,300 submitted lowest bid, Cornelius Park. Noted June 15.

Penn., Pittsburgh—Underground Conduit Work—Central Dist. Telephone Co. let contract to FABER ENGINEERING AND CONSTRUCTION CO., Bessemer Bldg., Pittsburgh, $25,000.

Fla., Jacksonville—Fire Hose Houses—City let contract 15 fire hose houses to DUVAL PLANING MILL CO.

La., Melville—Levee—Red River, Atchafalaya and Bayou Bouef Levee Bd. let contract rebuilding Atkins Bayou Crevasse on Atchafalaya River to State Penitentiary Bd., convict labor. About $100,000.

La., New Orleans—(Official)—Harbor Improvements—Louisville Railway and Navigation Co. will improve St. Charles Parish Property on Mississippi River by company's forces. W. H. Coppage, Shreveport, Supt. Noted Aug. 17.

Miss., Clarksdale—Levee Work—Yazoo-Mississippi Levee Bd. let contract Sections 37 to 41 inclusive to CLARKE, CHESHIRE & CO., Natchez. Noted Mar. 16.

Ohio, Bergholz—Concrete Wall—County Comrs. received one bid from E. Steitz, Richmond. Address County Clk., Steubenville.

Ohio, Cincinnati—Bathhouse—David Gordon Building and Construction Co., 734 West 7th St., $26,881 submitted lowest bid, Freeman and Central Ave. F. S. Krug, City Engr.

Ohio, Cincinnati—(Official)—Comfort Station—City let contract, Spring Grove Ave. and Cosby St., let to M. PENKER & SONS, 123 Valencia Ave., $11,500. Noted Aug. 17.

Ohio, Cleveland—Swimming Pool—City let contract Garfield Park, to JAMES DUFF CONSTRUCTION CO., 603 Marshall Bldg., $7,027. Noted Aug. 10.

Ohio, Malta—Protection Crib—Morgan County let contract, Muskingum River, to DOVER & LANOR, McConnellsville. About $8,650.

Ohio, Sandusky—Retaining Wall—Contract retaining wall on north side of Perry Centennial Monument let to NICHOLAS FOX & SONS, Putin Bay.

Ind., Sullivan—Levee—County Comrs. let contract repairing Island Levee in Turman Township let to W. R. POLK, Oaktown. Noted May 25.

Mich., Detroit—Tunnels—Contract for tunnels at Sacred Heart of Mary Cemetery let to ROGOWSKI BROS. & WEDDA.

Mich., Mt. Clemens—Grandstand—Race Track Association let contract, 1-story, 30x130-ft., to J. L. PAGANETTI CO.

Ill., Mattoon—Retaining Wall—Illinois Central R.R. let contract to GOULD CONSTRUCTION CO., Davenport, Iowa, $12,000. A. S. Baldwin, Chicago, Ch. Engr.

Wis., Cudahy—Fire Engine House—City let contract to T. B. SIDERITS CO., 1574 2d St., Milwaukee.

Mo., Kansas City—Subway—Kansas City Terminal Co. let contract, Adams St., to D. MUNRO. Noted Nov. 25.

Mo., Providence—Levee—Fifth Dist. Levee Bd. let contract to DONOVAN & DALY.

Tex., Galveston—Riprap—Contract for 2,500 tons riprap for seawall let to S. FRINDNER, $3.50 per ton.

Wash., Everett—Dock—Council received lowest bid Aug. 10 for extending Norton St. by building 1,000-ft. dock from American Piledriving Co. fir piling, $11,485, cedar piling, $11,660. H. Mumm, Jr., City Engr.

Calif., Los Angeles—Sprinkling System—Bd. Harbor Comrs. received lowest bid for automatic sprinkler system in 6-story warehouse from Pacific Fire Extinguisher Co., R. W. Hellman Bldg., $14,000. Noted Jan. 6.

BUILDINGS

Proposed Work

Other items relative to Building Construction will be found under the following headings: "Industrial Works," "Federal Government Work" and "Miscellaneous."

Mass., Boston—Office—C. H. Ditson, 178 Tremont St., making plans, 10-story, 50x103-ft. brick and stone. About $250,000.

Mass., Boston—Convent—St. Joseph's Church making plans, 3-story, 36x85-ft. C. R. Greco, 8 Beacon St., Arch.

Mass., Cambridge—Store and Office—Morey & Co. plans 5-story rein.-con.

Mass., Fitchburg—Hotel—H. T. Roody, 1 Main St., receiving bids Sept. 11, 4-story, 96x104-ft. G. N. Jacobs, 6 Beacon St., Boston, Arch.

Mass., Lawrence—Church—Lawrence Unitarian Society plans, Haverhill, Jackson and Summer St. Edwin J. Lewis, Jr., Boston, Arch.

Mass., Lowell—Lowell General Hospital plans 2-story, 40x180-ft. building on Varnum Ave. About $125,000.

Mass., Lowell—Theater, Store and Office—Plans being made, 2-story, 52x115-ft. L. N. Mayer, 162 Tremont St., Boston, interested. Funk & Wilcox, 120 Boylston St., Boston, Arch.

Mass., Springfield—New England Telephone and Telegraph Co., made plans for 3-story, 30x100-ft. building at Dwight and Worthington St. About $125,000.

Mass., Worcester—C. F. Stevens plans store and office building and service station at 670 Main St. About $150,000.

Mass., Worcester—Theater—S. Cohen, Fiskdale, plans, Millbury St. About $75,000.

Conn., Bridgeport—High School and Assembly Hall—Board Education making plans. About $110,000. L. Asheim, 211 State St., Arch.

Buildings (Continued)

Conn., Bridgeport—Bridgeport Christian Union making plans for 4-story, 87x100-ft. building. Briggs & Caldwell, Security Bldg., Arch.

Conn., Hamden—New Haven Orphan Asylum, Whitneyville, receives bids Sept. 15 for brick and stone building at Hamden.

Conn., Hartford—Armory—Colt Patent Fire Arms Manufacturing Co. plans, 4-story, 60x500-ft.

Conn., Hartford—Y. M. C. A. made plans for building. About $300,000. Noted Aug. 17.

Conn., Norwich—Sheltering Arms making plans for building. About $50,000. Kendall, Taylor & Co., 93 Federal St., Boston, Mass., Arch.

Conn., Westport—Grade School—City plans. About $40,000. P. N. Sunderland, Danbury, Arch.

N. Y., Hudson—Home—State Volunteer Firemen's Association plans. About $80,000. J. E. Powers, Ossining, Secy.

N. Y., Medina—School—Board Education making plans, 3-story, 46x98-ft. grade school and 3-story, 84x146-ft. high school. About $135,000. Pierce & Bickford, 118 Lake St., Elmira, Arch. Noted June 29.

N. Y., Morrisville—Laboratory and Class Rooms—State School of Agriculture making plans, 2-story. About $75,000. L. F. Pilcher, Capitol, Albany, Arch.

N. Y., New York—(Brooklyn)—Church—B. E. Muller, Arch., 477 5th Ave., Manhattan, making plans, 5th Ave. About $50,000.

N. Y., New York—(Manhattan)—C. B. J. Snyder, Supt. School Bldg., Park Ave. and 59th St., receiving bids Sept. 11 for building at Manhattan Trade School for Girls, Lexington Ave. and 22nd St.

N. Y., New York—(Manhattan)—New York University making plans for buildings. Day & Klauder, 925 Chestnut St., Philadelphia, Arch.

N. Y., Orchard Park—Club House—Park Club of Buffalo, 1401 Linwood Ave., plans. About $50,000. Colson & Hudson, 35 Dun Bldg., Buffalo, Arch.

N. Y., Scarsdale—Club House—Sunningdale County Club making plans, 2-story, About $50,000. R. D. Kohn, 56 West 45th St., New York, Arch.

N. J., Bayonne—Schools—Board Education receiving bids Sept. 21 for additions to high school and School No. 3. Noted Aug. 10.

N. J., Lyndhurst—School—Board Education receiving bids Sept. 5 for purchase of $75,000 bonds. H. Danton, Dist. Clk. Noted Aug. 24.

N. J., Newark—Store and Office—Bd. Trustees of Third Presbyterian Congregation making plans, 2-story brick and tile at 909 Broad St. About $75,000. Cady & Gregory, 40 West 32nd St., New York, Arch.

N. J., Newark—School—Com. Bldg., Grounds and Supplies of Bd. Education making plans 16-room addition to South Tenth Street School. About $156,000.

N. J., Newark—School—Talmid Torah Association made plans 3-story, 42x94-ft. About $40,000. H. Rosensohn, 800 Broad St., Arch.

N. J., New Brunswick—Hospital—W. H. Boylan, 390 George St., making plans.

N. J., Newton—(Official)—High School—Board Education receiving bids Sept. 21. About $75,000. Rasmussen & Wayland, 1133 Broadway, New York, Arch. Noted July 6.

N. J., Paterson—School—City plans School No. 6, Broadway and Fair St. J. R. Wilson, Supt. of Schools.

N. J., Plainfield—City Hall—City receiving bids Sept. 5. J. J. Carroll, City Clk. Peck & Bottomley, 597 5th Ave., New York, Arch. Noted Jan. 13.

N. J., Trenton—Home—New Jersey Children's Home Society, Forst-Ritchey Bldg., plans, Brunswick Ave. About $50,000.

N. J., Wildwood—Church—G. I. Lovatt, Arch., 416 Walnut St., Philadelphia, making plans, 1-story, 60x145-ft.

Penn., Coraopolis—(Official)—High School—Board Education votes in November on bonds. C. E. Stone, Secy. Noted Aug. 17.

Penn., Elizabethtown—Masonic Home Com. of Grand Lodge of Pennsylvania making plans for 3 buildings. About $90,000. H. G. Louser, 725 Walnut St., Chn. Bldg. Com. Noted July 20.

Penn., Lost Creek—Church and Rectory—St. Mary Magdalen Congregation plans.

Penn., Philadelphia—Store and Office—Smith, Kline & French Co. plans, 7-story, 5th Ave. and Arch St. W. C. Furber, 418 Walnut St., Arch.

Penn., Philadelphia—Hospital—Savery & Sheetz, Arch., making plans for Osteopathic Hospital, 19th and Spring St.

Penn., Philadelphia—Theater—Hoffman Co., Globe Theater Bldg., making plans, 19th and Market St. About $600 000.

Penn., Philadelphia—Bank and Office—Girard Life Insurance Co. making plans, 2-story, 24x100-ft. About $50,000. N. T. Folwell, Drexel Bldg., Pres. Noted July 27.

Penn., Quakertown—Bank—Quakertown Trust Co. plans. W. C. Furber, Arch.

Del., Wilmington—Midvale Steel Co. plans addition.

Md., Baltimore—Hospital—Children's Hospital School, Green Spring Ave. and 41st St., making plans for additions. J. Posey, 925 Fidelity Bldg., Engr. Noted Aug. 31.

Md., Baltimore—Club House—Knights of Columbus plans, 2nd St. About $50,000.

Md., Cumberland—School—County Comrs. receiving bids Sept. 5 for purchase of $75,000 bonds. A. Ireland, Clk.

Md., Ocean City—Hotel—B. Frank Wagamon and associates plan. About $60,000.

Va., Norfolk—Auditorium—Council plans, about $250,000.

Va., Norfolk—Passenger Terminal—Atlantic Coast Line R.R. plans. J. E. Willoughby, Wilmington, N. C., Ch. Engr.

Va., Petersburg—Convention Hall and Armory—City Council plans.

Va., Portsmouth—High School—Board Education making plans, 3-story. About $100,000. C. M. Robinson, Times-Dispatch Bldg., Richmond, Arch.

Va., Richmond—Bank—Federal Reserve Bank plans, 9th and Franklin St.

N. C., Lenoir—Dormitory—Davenport College plans. About $50,000.

Ga., Atlanta—Randolph Bros., 60 Peachtree St., plan building, Broad and Peachtree St. About $50,000.

Ga., Emory—Emory University plans out-patient building, about $50,000.

Ga., Griffin—High School—City votes Sept. 19 on $65,000 bonds.

Ga., Oxford—Emory University plans building to be known as J. J. Gray Clinic. About $50,000. Address Bd. of Trustees.

Ala., Montgomeery—City Hall—City soon votes on $300,000 bonds. W. T. Robertson, Mayor. S. E. Washburn, City Engr. Noted Aug. 17.

Ala., Tuscaloosa—University of Alabama plans building. About $50,000.

Miss., Laurel—Laurel Lodge, Knights of Pythias, plans building on Central Ave.

La., New Orleans—Lodge—Odd Fellow making plans, 5-story.

La., New Orleans—Office—F. S. Shields, Secy. Sewage and Water Bd., receiving bids Oct. 17. Toledano, Morgan & Bernard, Perrin Bldg., Arch.

La., Shreveport—Office—Plans being prepared, 16-story. E. A. Frost, Shreveport, interested.

Tenn., Memphis—Church—Court Ave. Presbyterian Congregation retained John Gaisford and S. J. Weigel to make plans. About $65,000.

Tenn., Morristown—City making plans for 70x120-ft. building. Address City Clk., Morristown.

Tenn., Nashville—School—Bd. Education will rebuild Warner School. About $100,000. Ames & Norton, Arch.

Ky., Berea—Dormitory—Berea College making plans, 3-story. Garber & Woodward, 2803 Union Central Bldg., Cincinnati, Arch. Noted June 15.

Ohio, Akron—Hotel—Snider Building Co. granted permit, 7-story, Broadway and East Market St. About $80,000.

Ohio, Akron—Terminal Station—Northern Ohio Traction and Light Co. made plans, 4-story. About $125,000.

Ohio, Cincinnati—Fenwick Club for Catholic Young Men and Boy's Home making plans for 6-story brick and terra cotta building. About $200,000. Theis & Theis, Dayton, Arch.

Ohio, Columbus—Exposition Hall—Columbus Exposition Building Co. plans. About $300,000. L. F. Kiesewetter, Treas.

Ohio, Dayton—Bank, Store and Office—Mutual Home and Savings Association receiving bids Sept. 11, 10-story, 83x100-ft. About $200,000. Schenck & Williams, Arcade Bldg., Arch. Noted July 13.

Ohio, Hilliards—Grade and High School—Norwich Township receiving bids Sept. 12, 2-story. About $40,000. F. L. Packard, 1212 Hayden Bldg., Columbus, Arch. Noted Aug. 10.

Ohio, Ironton—Hotel and Auditorium—Ironton Hotel Co. making plans, 3-story, 132x132-ft. About $125,000. Covel Construction Co., Iona, Mich., Arch.

Ohio, Lima—High School—City voted $650,000 bonds. Address Bd. Education.

Ohio, Old Fort—(Official)—School—Board Education receiving bids Sept. 15. About $60,000. H. C. Millott, Bliss Bldg., Sandusky, Arch. Noted Aug. 17.

Ohio, Portsmouth—School—Bd. Education making plans. Ritter & Bates, Arch.

Ohio, Toledo—Store—La Salle & Coke Co. plans. About $1,000,000. A. Coke, Gen. Mgr.

Ohio, Urbana—Temple—Springfield Masonic Temple Co. plans. About $250,000.

Ohio, Warrensville—School—Beehive School Dist. voted $50 000 bonds. Noted Aug. 17.

Ohio, Wilberforce—Gymnasium—Board Trustees of Combined Normal and Industrial Dept. Wilberforce University receiving bids Sept. 21. J. A. Joiner, Supt. F. L. Packard, Columbus, Arch.

Ind., Bedford—Bd. Comrs. Lawrence County receiving bids Sept. 11 for infirmary building. E. W. Edwards Bedford, County Audr.

Ind., Boonville—High School—Board Education receiving bids Sept. 16, about $48,000. C. Shopbell & Co., 707 Furniture Exchange Bldg., Evansville, Arch. Noted Aug. 24.

Mich., Ann Arbor—T. M. Iden, Michigan University, making plans for 2-story, 50x90-ft. building. About $45 000. L. Schmidt, 126 North Market St., Wichita, Kan., Arch.

Mich., Detroit—School—Bd. Education receiving bids Sept. 12, Cicotte, McGraw, Pittsburg and Gilbert Ave. C. A. Gadd, Secy. Bd. Malcombson & Higginbotham, 404 Moffat Bldg., Arch.

Mich., Detroit—A. Krolik & Co. making plans for 12-story rein.-con. building on Jefferson Ave. A. Kahn, Arch.

Mich., Flint—Office Building—Buick Motor Co. plans, about $250,000. W. P. Chrysler, Gen. Mgr.

Mich., Grand Rapids—Grade School—Board Education receiving bids about Sept. 15. About $65,000. H. H. Turner, 254 North Division St., Arch.

Mich., Grand Rapids—Terminal Station—Michigan Railway Co. plans, 7-story. H. D. Sanderson, Jackson, Ch. Engr.

Mich., Highland Park—School—Bd. Education receiving bids Sept. 21, Joslyn Ave. W. D. Hutterfield, 1113 David Whitney Bldg., Detroit, Arch. Noted Aug. 24.

Mich., Jackson—Temple—Jackson Labor Temple Association plans, 4-story, 66x112-ft. About $70 000. C. R. Thorne, Pres.

Mich., Pontiac—High School—City voted $150,000 bonds for enlarging high school and Central and Wilson Schools. Noted July 27.

Ill., Chicago—(Official)—Hotel—P. Gerhardt, Arch., 65 West Randolph St., receiving bids about Sept. 20, 10-story, 90x160-ft. About $460,000. Noted Aug. 17.

Ill., Chicago—Dir. Bd. of Trade making plans 21-story building on La Salle St. About $3,500,000. Holabird & Roche, 104 South Michigan Ave., Arch.

Ill., Chicago—Hotel—Eltel Bros., 173 West Randolph St., plans, 10-story.

Ill., Chicago—D. F. Crilly made plans for building on South Michigan Ave. About $50,000.

Ill., Chicago—Office—G. F. Lovdall, 953 Belmont Ave., made plans for 8-story, 50x175-ft., Chicabo Ave. and North State St. About $130 000.

Ill., Chicago—Theater—S. Katz of Amalgamated Theater Corporation, and B. and A. J. Balaban of General Feature Film Co., plan, 2-story, 3527-41 West 12th St., about $275,000.

Ill., Chicago—Hotel—C. T. Lundstrom, 133 West Washington St., made plans, 3-story, 50x137-ft. About $65,000. R. C. Harris 79 West Monroe St., Arch.

Ill., De Kalb—Hospital—City plans. About $60,000. Address City Clk., De Kalb.

Ill., East St. Louis—Freight Depot and Office Building—Illinois Central Ry. plans, $100,000. A. S. Baldwin, 135 East 11th St., Chicago, Ch. Engr.

Ill., Granville—High Schhool—Hopkins Township making plans, 3-story, 80x100-ft. About $50,000. E. A. Payne, Carthage, Arch. Noted Aug. 17.

Ill., Joliet—Hospital—Silver Cross Hospital plans addition. About $70,000.

Ill., Springfield—Church—Frank Merrithew interested in Lincoln Memorial Church. About $60,000.

Wis., Appleton—Freight Depot—Chicago & Northwestern Ry. plans, about $50 000. W. H. Finley, 226 West Jackson Blvd., Ch. Engr.

Wis., Milwaukee—Milwaukee County receiving bids Sept. 14 for purchase of $380,000 bonds for house of correction.

Wis., Oshkosh—School—Oshkosh Normal School approved plans. Van Ryn & DeGelike, Milwaukee, Arch.

Iowa, Ames—State Bd. Education authorized 3 buildings at Iowa State College. About $125,000.

Iowa, Des Moines—School—Independent School Dist. receiving bids Sept. 19 for Stowe School. A. L. Clinide, Secy., Smith & Keffer, Arch.

Iowa, Dubuque—Hospital—City plans tuberculosis Hospital. About $75,000.

Iowa, Jefferson—School—Board Education receiving bids Sept. 25. M. G. McDuffie, Pres.

Iowa, Jesup—High and Grade School—Jesup Consolidated School Dist. receiving bids Sept. 12. R. L. Bordner, Secy. H. E. Netcott, Independence, Arch. Noted Aug. 17.

Iowa, Muscatine—High School—School Bd. rejected bids. Plans to be revised and new bids received. Eckland, Fugard & Knapp, Chicago, Ill., Arch. Noted Aug. 31.

Buildings (Continued)

Iowa, Sergeant Bluff—School—Board Education made plans. About $70,000. H. M. Michaelson, Secy. Bd. Noted Aug. 3.

Iowa, Shenandoah—Hospital—H. and C. Hand making plans 2-story, rein.-con. W. S. Ferguson, 1900 Euclid Bldg., Cleveland, Arch.

Minn., Anoka—Hospital—State Bd. Control receiving bids Oct. 1, 3-story, 55x96-ft. C. H. Johnston, 715 Capital Bank Bldg., St. Paul, Arch.

Minn., Clear Lake—Grade School—Board Education, Dist. No. 1 plans, 2-story. About $50,000. B. C. Buckley, 252 Plymouth Bldg., Minneapolis, Arch.

Minn., Minneapolis—Church—Church of Incarnation plans, about $100,000. E. L. Masqueray, Arch.

Minn., Minneapolis—Church—First Methodist Episcopal Church plans, about $150,000. S. M. Dick, 2215 Bryant Ave., S., Pastor.

Minn., Owatonna—City election Sept. 18 to vote on $150,000 school bonds.

Minn., St. Paul—Office Building—Friedman Bros. plan, Shelby and Snelling Ave., about $50,000.

Minn., St. Paul—Club House and Store—St. Paul Athletic Club receiving bids Sept. 15 12-story, 100x150-ft. About $650,000. A. M. Stem, 601 Endicott Bldg., Arch. Noted Aug. 10.

Minn., St. Paul—Church—St. Lukes Congregation making plans, about $100,000. E. L. Masqueray, Arch.

Minn., Virginia—City Hall—City plans. About $100,000. A. E. Bickford, Clk.

Minn., Wabasha—High School—Board Education receiving bids Sept. 8. J. W. Murdock, Clk. Bd. Chandler & Park, Racine, Wis., Arch.

Kan., Kansas City—Court House—Wyandotte County votes Nov. 7 on $400,000 bonds. F. M. Holcomb, County Clk.

Kan., Marion—School—City soon votes on $50,000 bonds. T. W. Williamson & Co., Topeka, Arch.

Kan., Wichita—Jail—County voted $100,000 bonds. H. M. Barrett, County Clk.

Neb., Hastings—Schools—City plans to spend about $175,000. A. Everhart, Supt. Bd. Education.

Neb., Lincoln—School—Board Education plans. About $175,000.

Neb., Norfolk—Temple—Masonic Temple Co. receiving bids Sept. 25, 3-story, 44x102-ft. H. S. Thorpe, Secy. J. E. Stitt, Norfolk, Arch.

Neb., Omaha—H. A. Wolf making plans for 10-story building at 16th and Harney St. About $700,000. J. McDonald, Omaha National Bank Bldg., Arch.

Neb., Omaha—Jail—City soon votes on $150,000 bonds.

S. D., Redfield—School—State receiving bids Sept. 11 for 3-story school for feeble minded. About $150,000. C. H. Johnson, 715 Central Bank Bldg., St. Paul, Arch.

Mont., Deer Lodge—High School—Powell County soon votes on $60,000 bonds.

Mo., Milan—High School—City plans.

Ark., Jonesboro—School—School Bd. receiving bids Sept. 15. A. E. Lockhart, Secy. R. H. Hunt, 225 James Bldg., Chattanooga, Tenn., Arch. Noted Aug. 31.

Ark., Rogers—Hotel—W. Bartlett and associates plan. About $100,000

Ark., Texarkana—Hotel—Frost interests made plans. About $300,000. Address E. W. Frost, State Bank Bldg.

Tex., Beaumont—School—City making plans. About $300,000. Sanquinet & Staats, Ft. Worth, Arch. Noted Aug. 10.

Tex., Dallas—Office—Missouri, Kansas & Texas Ry. plans, 6-story. About $150,000. L. T. Sonnbiadh, Ch. Engr., Dallas, Tex.

Tex., Denison—School—School Board made plans. About $50,000. C. H. Page & Bros. Austin, Arch. Noted Aug. 10.

Tex., Dallas—Bank—Dallas Trust and Savings Bank making plans, 3-story. About $100,000.

Tex., Houston—(Official)—G. H. Herman Estate made plans, 6-story, 95x100-ft, terra cotta and stone. About $65,000. F. S. Glover & Son, Binz Bldg., Houston, Arch.

Tex., Paris—School—City sold $100,000 bonds for improvements.

Tex., Paris—Passenger Station—Texas & Midland R.R. plans. About $50,000. L. W. Wells, Terrell, Ch. Engr.

Tex., Port Arthur—Library—Plans made for Gates Memorial Library, about $100,000.

Tex., Sherman—High School—School Bd. making plans. About $80,000. C. H. Page & Bros., Austin, Arch. Noted Aug. 10.

Tex., Taylor—Hotel—Howard Blank and T. W. Marse interested. About $75,000.

Tex., Waco—Sanitarium—Central Texas Baptist Sanitarium making plans. About $50,000. Noted Nov. 18.

Tex., Waxahachie—High School—City votes Oct. 10 on $75,000 bonds. Noted May 4.

Colo., Denver—Station—Union Station Co. plans rebuilding east and west wings. About $600,000.

Colo., Larkspur—Home—American Federation of Human Rights plans.

Idaho, Idaho Falls—Schools—School Bd. soon lets contracts for 4 schools. About $100,000.

Idaho, Moscow—Hotel—Soda Springs Hotel and Sanitarium Co. plans. About $100,000.

Ariz., Jerome—Hospital—United Verde Copper Co. making plans. About $80,000. R. D. Kelly, Los Angeles, Calif., Arch.

Ore., Astoria—School—City making plans, 2-story, brick and concrete. About $80,000. Whitehouse & Fouilhoux, Wilcox Bldg., Portland, Arch.

Calif., Bakersfield—Department Store—Hochheimer & Co., 1924 Chester St., plans, 4-story rein.-con. at 19th and Chester St. About $150,000.

Calif., Fresno—School—City making plans, 2-story, brick and concrete. About $55,000. Coates & Traver, Rowell Bldg., Arch.

Calif., Fresno—Cathedral—Scottish Rite Masons plan, Van Ness Blvd. and Olive Ave. About $100,000.

Calif., Hollister—Department Store—Grangers Union making plans, 2-story, rein.-con. About $45,000. W. Binder, Rea Bldg., San Jose, Arch.

Calif., Long Beach—Church—First Christian Church plans. About $75,000.

Calif., Los Angeles—Stability Building Co. plans 9-story theater, store, studio and loft building at 3rd St. and Broadway. About $600,000.

Calif., Los Angeles—Hospital—Pacific Hospital Association, 1329 South Grand Ave. plans. About $1,000,000.

Calif., Los Angeles—Hospital—J. Schulz Engr., 359 Court House, making plans for additions to County Hospital. About $250,000.

Calif., Oakland—Office—Pacific Gas and Electric Co. plans, 16th and Clay St. About $200,000. J. A. Britton, San Francisco, First Vice-Pres. and Gen. Mgr.

Calif., Piedmont—(Oakland post office)—Church—Interdenominational Church making plans 2-story. About $40,000. A. Farr, Foxcroft Bldg., S. F., Arch.

Calif., Sacramento—Auditorium—Comrs. Pub. Wks. making plans.

Calif., San Francisco—Hospital—St. Josephs Hospital plans, 5-story, rein.-con. About $150,000. L. J. Devlin, Pacific Bldg., Arch.

Calif., San Francisco—School—City making plans, 1-story. About $45,000. A. G. Scholz, Phelan Bldg, Arch.

Calif., San Jose—Gymnasium—William Binder, Rea Bldg., making plans for addition. About $54,000.

Calif., San Mateo—School—City soon votes on $40,000 bonds, 1- and 2-story, rein.-con. W. H. Toejke, 46 Kearney St., Arch.

Calif., Santa Barbara—Library—Plans made for Carnegie library at Anacapa and Anapamu St. About $50,000. F. W. Wilson, Santa Barbara, Arch.

Calif., Visalia—Hospital—Tulare County plans. Address County Clk., Visalia.

N. B., St. John—School—F. Neil Brodie, Arch., 42 Princess St., making plans, brick and steel. About $75 000.

Que., Montreal—Club House—Automobile Club of Canada making preliminary plans. About $1,000,000.

Que., Montreal—Theater—North End Amusement Co. plans, St. Denis St. About $125,000. A. Letang, Mgr.

Que., Sherbrooke—School—Congregation Notre Dame, Grove St., making plans. About $150,000. J. W. Gregoire, 191a Wellington St., Arch.

Ont., Toronto—Theater—J. W. Grey, Confederation Life Bldg., making plans, rein.-con. About $150,000.

Ont., London—Hotel—London & Port Stanley Railway Bd. making plans. About $50,000. Watt & Blackwell, Bank of Toronto Bldg., London, Arch.

B. C., Vancouver—Office—Canadian Northern Railway Co. soon lets contract, 2-story, 50x800-ft., iron and steel. A. F. Stewart, Toronto, Ont., Ch. Engr.

Bids In and Contracts Awarded

Maine, Skowhegan—Reformatory—State let contract superstructure to WILBUR & SON, Bangor. Noted Aug. 10.

N. Y., Dunkirk—Church—Methodist Episcopal Congregation, East 6th and Washington St., let contract to JOHN SARDESON, Fredonia. About $40,000.

N. Y., New York—(Manhattan)—Bank—Brown Bros. & Co. let contract, 5-story, to MARC EIDLITZ & SON, 30 East 42nd St. About $150,000.

N. Y., New York—(Richmond)—School—Church of Sacred Heart let contract, 2-story, 124x125-ft., at West New Brighton, to JOHN MILNE CO., Staten Island. About $100,000. Noted Apr. 13.

N. Y., Schenectady—Store—Carl Co. let contract, 2-story, to BROWN & LOWE CO., 111 Foster Ave. About $100,000.

N. Y., Troy—Y. M. C. A. let contract 5-story building to R. H. HOWES CONSTRUCTION CO., 105 West 40th St., New York. About $150,000. Noted July 20.

N. Y., Utica—Gymnasium and Lodge—Utica Council, Knights of Columbus No. 189, let contract to T. BYRNES, 1579 Elm St. About $60,000.

N. J., Atlantic—School—Bd. Education let contract to WILBERT S. BEAUMONT, St. Girard Blk., Philadelphia.

N. J., Jersey City—School—Bd. Education let contract Washington St. to W. H. & F. W. CRANE. About $143,000.

N. J., Morristown—Church—Church of Redeemer let contract to STURGIS BROS., Morristown. About $90,000.

N. J., West Orange—School—Bd. Education let contract, 2-story brick, at Eagle Rock Ave. and Valley Way, to J. B. EVERETT & SON, INC., East Orange. About $50,000. Noted June 1.

Penn., Philadelphia—Bank and Office—Franklin Trust Co. let contract to NICKSON DUGGAN CONSTRUCTION CO., 1001 Bailey Bldg. About $300,000. Noted July 27.

Penn., Ridley Park—High School—Board Education let contract to WILLISLUDWICK CO., $62,990. Noted Aug. 10.

W. Va., Madison—Court House—Boone County let contract, 3-story, 70x140-ft., to MONOTTI & BENNETT, Danville. About $77,758.

W. Va., West Liberty—Dormitory—State Bd. Control let contract, West Liberty State Normal School, to BLUESTONE CONSTRUCTION CO., Bluefield.

Ga., Atlanta—Store and Loft—Massell Realty Co., 305 Healey Bldg., will build, 5-story, by day labor. About $60,000. Noted Aug. 17.

Ga., Macon—School—Contract Ballard School let to J. H. B. WILDER CO., $40,000.

Ga., Savannah—Auditorium—City let contract to WISE GRANITE CONSTRUCTION CO., Richmond, Va., $112,000. Noted Aug. 3.

Tenn., Chattanooga—High School—City Comm. let contract to PARK-GRIMES CO., about $63,111.

Ohio, Circleville—High and Grade School—Bd. Education let contract to A. F. FRY, Piqua, $102,619. Noted Aug. 10.

Ohio, Columbus—E. S. Davis let contract building to LINKENHEIL PLANING MILL CO.

Ohio, Marion—Church—Emanuel Lutherian Church let contract to J. BALDAUE, Marion. About $50,000.

Ohio, Struthers—(Official)—City let contract building to HOPKINS BROS., Youngstown. Noted Aug. 10.

Ind., Fountain—School—City let contract to AINSWORTH CONSTRUCTION CO., about $48,000.

Mich., Detroit—Theater and Office—Northwestern Detroit Amusement Co. let contract 2-story, East Grand Blvd., to FRANK HARRINGTON CO. About $60,000.

Mich., Detroit—Hotel—Norton Hotel, Griswold and Jefferson St., let contract to F. H. GODDARD CO., Detroit.

Mich., Lake Linden—High School—Bd. Education let contract to BAILEY & MARCH, Minneapolis. About $160,000. Noted Aug. 10.

Mich., Mancelona—Carnegie Library—Contract let to G. LATHER, Traverse City.

Mich., Sturgis—(Official)—High School—Board Education let contract to BEAUMONT & WILLIAMSON, 25 North Dearborn St., Chicago, $96,462. Noted Aug. 17.

Ill., Chicago—Hotel—Robert Goldstein and H. Friedman, 4616 Clarendon Ave., let contract, 6-story, 50x124-ft. addition, to H. SCHRIK, 3700 West Chicago Ave. About $250,000.

Ill., Golconda—Grade and High School—Board Education let contract, 2-story, 92x108-ft., to J. COLE, Paducah, Ky. About $40,000.

Ill., Streator—School—Bd. Education let contract Sherman School to D. C. DEWAR, Streator, $57,140. Noted Aug. 31.

Wis., Superior—High School—Board Education let contract, 2-story, 100x120-ft., to SHURICK JOHNSON CO. About $60,000. Noted Aug. 10.

Iowa, Cedar Falls—School—City let contract to G. L. SMITH, Waterloo. About $40,000. Noted Aug. 10.

Iowa, Sioux City—Church—First Congregational Church received lowest bid from Andrew Ostling, 810 5th St., $89,950. Noted July 13.

Iowa, Waterloo—Terminal Station—Waterloo, Cedar Falls & Northern Ry. let contract, 4th and Mulberry St., to H. A. MAINE CO. About $75,000.

Minn., Minneapolis—School—Contract, rebuilding Franklin School, let to CARLSTED BROS., 300 20th Ave., N., $77,136.

Minn., Minneapolis—Hotel—Russell Hotel let contract, 5-story, 30x50-ft. addition, to F. G. McMILLAN, 2 Southeast 5th St. About $40,000.

Kan., Winfield—Bank and Office—State Bank of Winfield let contract to DIETER & WENZELL CONSTRUCTION CO., Wichita, $46,000.

Neb., David City—High School—Board Education let contract to H. OHLSEN & SON, $62,385. Noted June 22.

Neb., Kearney—Gymnasium—State let contract, 3-story, 63x130-ft., to W. KNUTZEN, 19 West 24th St. About $55,000.

Neb., Tekamah—Court House—County Board Superv. let contract to S. P. GOULD & SON, Omaha. About $75 000.

Buildings (Continued)

Mo. St. Louis—Bank and Office—James Investment Co. let contract, 12-story, to JOHN HILL CONSTRUCTION CO., 915 Olive St. About $1,000,000.

Tex., Dallas—Hotel—Dallas Hotel Co. let contract to GILSONITE CONSTRUCTION CO., St. Louis, $750,000.

Tex., El Paso—Momsen, Dunnegan & Ryan let contract 1-story rein.-con. building at Overland and Campbell St. to J. E. MORGAN. About $50,000.

Tex., Orange—High School—School Bd. let contract, 3-story, 120x158-ft. concrete, to W. F. BERRY & CO., Lufkin. About $100,000. Noted Mar. 2.

Okla., Dewey—High School—Bd. Education let contract 2-story, 77x90-ft. addition to A. L. McGREGOR, Bartlesville. About $40,000. Noted June 15.

Idaho, Idaho Falls—School—City rejected bids received Aug. 21. About $85,000. C. M. Scott, Pres. Bd. Education.

Ore., Portland—A. Huth, Tacoma, Wash., soon lets contract for 5-story brick and tile building on Broadway. About $150,000. J. F. Bennes, Chamber of Commerce Bldg., Arch.

Ore., Portland—School—Contract, 1st unit Benson Polytechnic School, 20th and East Gilsan St., let to FRIEBERG & McLENNON CO., Portland, $170,325. Noted Feb. 24.

Calif., Tracey—High School—Bd. Education let contract to JAMES FURLONG, San Francisco, $52,000.

Calif., Visalia—Schools—Bd. School Trus. lets contract about Sept. 15 for 2 rein.-con. schools. About $85,000. Swartz & Swartz, Rowell Bldg., Fresno, Arch.

Calif., Wasco—High School—City let contract to WARD & GOODWIN, 110 Jessie St., San Francisco, $44,000.

Calif., Woodland—Courthouse—Bd. Supvrs. Yolo County, let contract to R. S. TROST, 26th and Howard St., San Francisco. About $196,521. Noted Aug. 3.

Ont., Galt—School—School Board let contract, brick and stone to P. H. SECORD & SON, 132 Nelson St., Brantford. About $50,000. Noted May 25.

Ont., Pembroke—School—Contract, tile, rein.-con. and limestone, let to H. P. BECK, 18 Woodlawn Ave., Ottawa. About $55,000. Noted June 29.

Man., Winnipeg—J. McDiarmid Co. Ltd., $3,128,000 submitted only bid for Parliament buildings. T. H. Johnson, Minister Pub. Wks. Noted Apr. 6.

B. C., Vancouver—Theater—Contract Pantages Theater let to SKENE & CHRISTIE, Vancouver, $95,980. Noted Mar. 2.

SEWAGE PLANT, LEXINGTON, KY.

Bids received by city Aug. 8 for sewage plant from (A) SULLIVAN CONSTRUCTION CO., Lexington, $207,184, (awarded contract); (B) Sullivan, Long & Hegarty and Case & Cothran, Atlanta, Ga., $213,682; (C) T. S. Moudy & Co., Chattanooga, Tenn. $216,918; L. Eld Concrete Steel Co., Cincinnati, Ohio, $267,202; Suburban Engineering Co., New York, N. Y., $218,806; Mason & Hanger Co., Lexington, $243,467; J. Duff Construction Co., Cleveland, Ohio, $296,196; B. Thompson, Tampa, Fla., $299,860; Whiting-Turner Construction Co., Baltimore, Md., $231,829. The item bids of the three lowest bidders were as follows:

	A	B	C
10,000 cu.yd. earth excavation	$0.42	$0.42	$0.40
12,000 cu.yd. rock excavation	2.00	1.62	1.40
2,000 cu.yd. rolled embankment	.20	.36	2.00
2,150 cu.yd. plain concrete	7.25	6.75	6.60
3,250 cu.yd. reinforced concrete, Class A	8.50	10.00	10.00
175 cu.yd. reinforced concrete, Class B	11.70	15.00	18.00
75 tons steel reinforcement	.0435	.054	85.00
24-in. siphons and air locks (lump sum)	8,400.00	8,000.00	9,350.00
18-inch siphons	750.00	840.00	862.00
310 tons c.-i. B&S Pipe	41.00	48.00	50.00
50 tons c.-i. B&S special castings	82.50	90.00	80.00
5 tons c.-i. flanged pipe	50.00	84.00	100.00
4 tons c.-i. flanged special castings	120.00	120.00	150.00
101,000 lin.ft. 6¼-in. tile vitrified underdrains	.08	.084	.065
1,000 lin.ft. 8-in. vitrified tile pipe	.20	.18	.22
100 lin.ft. 6-inch vitrified tile pipe	.18	.12	.20
Filter laterals and fittings (lump sum)	5,713.00	5,328.00	4,470.00
Sprinkler nozzles (lump sum)	662.50	755.00	717.00
20,000 cu.yd. broken stone in filter	3.076	3.00	3.41
700 cu.yd. sand and gravel	1.98	2.70	3.55
8 rect. sluice gates and H. wheels 2x3 ft	258.75	282.00	211.50
11 rect. sluice gates and H. wheels 3x3 ft	304.75	330.00	217.00
4 30-in. sluice gates	155.25	174.00	202.50
3 24-in. sluice gates	118.45	144.00	127.50
4 12x12-in. rectangular sluice gates	44.85	54.00	67.80
4 20-in. I.B. gate valves	120.75	150.00	141.70
1 18-in. I.B. gate valves	130.50	144.00	131.60
4 12-in. I.B. gate valves	39.10	48.00	57.70
8 8-in. I.B. gate valves	29.90	36.00	26.40
4 6-in. I.B. gate valves	13.25	15.00	18.12
39 4-in. I.B. gate valves	11.50	13.20	12.16
10 2½-in. valves and hose connections	10.65	12.00	14.70
4 4-in. lift valves	15.25	18.00	23.30
2 6-in. I.B. check valves	16.40	18.00	27.65
2 4-in. I.B. check valves	10.35	12.00	18.55
16 8-in. shear gates and handles	14.15	18.00	16.00
8 2-inch brass gate valves	5.70	6.00	8.00
43 operating stands	10.80	18.00	10.00
Ball bearing operating stand (lump sum)	54.00	60.00	84.00
1,400 lin.ft. 2-in. galvanized w.-i. pipe and fittings	.31	.30	.20
25 M ft. b.m. weirs, scum boards and stop planks	150.00	120.00	150.00
5 M ft. b.m. miscellaneous timber	40.00	54.00	80.00
10,000 lb. miscellaneous castings	.06	.048	.10
1,000 lb. miscellaneous steel and w.i.	.06	.072	.15
4 hydrants	30.00	36.00	32.60
Sludge removal ry. and appurtenances (lump sum)		1,500.00	1,265.00
2 6-in. pump and motor	773.00	2,040.00	641.00
1 4-in. pump and motor	488.00	840.00	443.00
Pump houses (lump sum)	950.00	840.00	2,187.00
Laboratory building (lump sum)	4,224.00	4,000.00	3,022.00
1 catch basin	35.00	24.00	60.00
4,000 sq.yd. sodding	.20	.12	.25
4 acres sowing grass seed	25.00	30.00	50.00
1,500 sq.yd. macadam roads	1.00	.90	1.25
6 valve boxes	3.50	4.20	10.00
Extended totals	$207,184	$213,682	$216,918

The Chattanooga Engineering Co. has filed an application for a charter. The incorporators are M. Hedges, F. C. Stimmel, W. S. Gfroerer, R. R. Rabe and J. A. Chambliss. The company will engage in the erection of white way plants, power plant installation and other engineering work.

The Roberts & Schaefer Co., Chicago, Ill., advises us it has a $22,000 contract from the Atchison, Topeka & Santa Fe Ry. for a 400-ton, four-track, automatic electric coaling plant, using the Duplex shallow pit loader, for installation at the new terminal at Las Vegas, N. M. The company has also a $19,000 contract from the Pere Marquette R.R. for a large three-track reinforced-concrete automatic electric coaling plant with counterbalanced bucket at Flint, Mich. This station will have three power-operated "Rands" coal-loaders for measuring and recording all coal delivered to locomotives.

The Management of the Hanyueh Branch of the Canton-Hankow Ry., Peking, China, of which Jeme Tien-yu is the managing director, has awarded the contract for 150 freight cars to the Robert Dollar Co., 160 California St., San Francisco, Calif.

The price for these cars is in the neighborhood of $460,000 delivered at Hankow, and the time of the delivery has been set for some time during the first half of next year. They include 75 of the high-sided and 75 of the low-sided type, and are to be constructed to conform to specifications furnished by the railway company. According to preliminary arrangements effected by the company it is probable they will be built on the Pacific Coast.

PAVING, BOSTON, MASS.

Group 1

Bids received by Public Works Dept. Aug. 14 for paving various streets from (A) B. E. Grant, 99 West Cedar St., Boston $177,196; (B) Coleman Bros., Pearl St., Chelsea, $195,337; (C) Central Construction Co., 228 Southampton St., Roxbury. The item bids were as follows:

	A	B	C
15 cu.yd. excavation and setting water boxes	$1.00	$2.00	$2.00
15 cu.yd. rock excavation	1.00	3.00	7.00
900 lin.ft. straight E. stone hauled and laid	.20	.25	.20
370 lin.ft. circular E. stone hauled and laid	.16	.25	.15
12,120 lin.ft. resetting E. stone	.12	.20	.16
6,230 cu.yd. concrete base	5.25	5.00	6.39
340 sq.yd. gravel joint (granite block paving) relaid	.53	.90	.90
4,500 sq.yd. asphalt joint (granite block paving) furnished and laid	.45	3.60	3.87
400 sq.yd. asphalt joint (granite block paving) relaid	1.00	1.25	2.00
31,530 sq.yd. grout joint (granite block paving) furnished and laid	3.85	3.75	3.87
7,620 sq.yd. grout joint (granite block paving) relaid	.80	1.15	1.20
160 sq.yd. flagging asphalt joint relaid	1.00	1.25	1.40
40 sq.yd. flagging grout joint relaid	.80	1.10	1.20
2,430 sq.yd. flagging asphalt joint hauled and laid	.85	1.25	1.40
465 sq.yd. flagging grout joint hauled and laid	.80	1.00	1.30
Wood blocks			
3,170 sq.yd. brick side walks relaid	.20	.40	.35
65,000 sq.ft. artificial stone walks	.17	.19	.20
Extended totals	$177,196	$195,338	$210,194

PAVING, BOSTON, MASS.

Group 2

Bids received by Public Works Dept. Aug. 14 for paving various streets from (A) B. E. Grant, 99 West Cedar St., Boston, $186,375; (B) J. Doherty, 133 Calumet St., Roxbury $189,575; (C) M. De Matteo, 146 Dudley Ave., Roslindale, $198,979; Coleman Bros., Pearl St., Chelsea, $206,241; D. M. Biggs & Co., 60 Marsh St., Dorchester, $247,678; Central Construction Co., 228 Southampton St., Roxbury, $292,319. The item bids of the three lowest bidders were as follows:

	A	B	C
5 cu.yd. setting and resetting water boxes	$1.00	$1.00	$5.00
5 cu.yd. rock excavation	1.00	1.00	5.00
500 cu.yd. gravel fill	.05	.75	1.10
420 lin.ft. straight E. stone, hauled and laid	.20	.20	.17
320 lin.ft. circular E. stone laid	.16	.16	.13
12,710 lin.ft. resetting E. stone	.12	.15	.15
6,680 cu.yd. concrete base	5.00	5.25	7.00
470 sq.yd. granite block, relaid, gravel joint	.15	.43	.50
520 sq.yd. granite block furnished and laid, asphalt joint	3.60	3.25	3.00
100 sq.yd. granite block, relaid, asphalt joint	1.00	.98	1.00
28,540 sq.yd. granite block, furnished and laid, grout joint	3.20	3.24	3.00
7,360 sq.yd. granite block relaid, grout joint	.85	.98	1.00
4,165 sq.yd. granite block, furnished and laid in Columbia Rd. 4 in. deep	3.30	3.14	3.00
75 sq.yd. crosswalk, relaid, gravel joint	.75	.50	1.00
40 sq.yd. crosswalk, relaid, asphalt joint	1.00	1.10	1.00
10 existing crosswalk, relaid, asphalt joint	.80	1.05	1.10
430 sq.yd. crosswalk hauled and laid grout joint	.85	.99	1.00
415 sq.yd. crosswalk existing relaid, grout joint	.80	.96	1.00
8,040 sq.yd. wood block paving furnished and laid	2.65	2.60	2.73
1,770 sq.yd. new brick sidewalks laid	.35	3.50	.90
4,080 sq.yd. sidewalks relaid	.28	.33	.35
80,210 sq.ft. artificial stone sidewalks	.17	.16	.16
1,330 sq.ft. driveways, furnished and laid	.20	.17	.20
20 tons crushed stone, furnished and placed	2.25	2.00	2.00
Extended totals	$186,375	$189,575	$198,979
Extended totals, Group 1 and 2	$362,365	$400,453	$435,226

AMERICA TO IMPROVE THE GRAND CANAL

The Far Eastern Review says, in its June issue, that it is the desire of the Chinese Government to make what is known as the Hwai River conservancy scheme—for the carrying out of which the Americans have an option—of greater benefit to the millions of people within the area embraced by it by rendering the Grand Canal fit for navigation and at the same time reclaiming large areas of territory now made impossible of cultivation or habitation by the vagaries of water which might easily be confined within definite limits. In order to have the Canal between the Yangtsze and Yellow Rivers put upon a paying basis commercially and otherwise the Government has entered into an agreement with the American International Investment Corporation, with whom are connected the contracting firm of Messrs. Siems and Carey, of Minneapolis. The work is estimated cost to about $6,000,000 gold, and if carried out will prove of incalculable benefit to China and all commercial nations interested in the transportation of merchandise to and from the regions traversed or fed by the Grand Canal. This famous waterway has been so long neglected by previous governments that it has become silted in many places and what should be a blessing has been converted into a curse in those places where water has inundated what otherwise would be valuable arable land.

SPECIAL OPPORTUNITIES SECTION

Contracts To Be Let

Bids received until Sept. 19, 1916.

State Highway Work

STATE OF MARYLAND
STATE ROADS COMMISSION
NOTICE TO CONTRACTORS.

Baltimore, Md.

Sealed Proposals for the following:

Contract No. 0269—

BALTIMORE AND CARROLL COUNTIES:

Repairing bridge over Patapsco River along Reisterstown Road between Baltimore and Carroll Counties.

Contract No. W. B. S.—

BALTIMORE AND HOWARD COUNTIES:

For building sections of concrete shoulder along the Baltimore and Washington Boulevard in Baltimore and Howard Counties.

Contract No. D-19—

DORCHESTER COUNTY:

For building one section of road between Church Creek and Taylor's Island, about 5.25 miles in length. (Concrete or macadam.)

Contract No. 0215-Br.—

WASHINGTON COUNTY:

Repairing bridge over Conocheague River along the State Highway.

will be received by the State Roads Commission, at its office, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 19th day of September, 1916, at which time and place they will be publicly opened and read.

Bids must be made upon the blank form contained in the book of specifications. Specifications and plans will be furnished by the Commission upon application and cash payment of $1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred ($500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond, and comply with the Acts of the General Assembly of Maryland, respecting contracts.

The Commission reserves the right to reject any and all bids.

By order of the State Roads Commission, this 1st day of September, 1916.

FRANK H. ZOUCK, Chairman.
CLYDE H. WILSON, Secretary.

Bids received until Sept. 26, 1916.

Street Improvement

Borough of Belmar, N. J.

Notice is hereby given that sealed bids will be received by the Borough Council of the Borough of Belmar, N. J., for the improvement of F Street in the Borough of Belmar, N. J., in the County of Monmouth, with one-course concrete surface; estimated amount of surface pavement required is 15,150 square yards; and opened and read in public at Borough Hall, Belmar, N. J., on Tuesday, September 26, 1916, at 8 P.M.

Drawings, specifications and forms of bid, contract and bond for the proposed work, prepared by Clyde Potts, Engineer, and approved by the State Commissioner of Public Roads, have been filed in the office of the said engineer at Belmar, N. J., and 30 Church Street, New York City, and of said Commissioner at the State House, Trenton, N. J., and may be inspected by prospective bidders during business hours. Bidders will be furnished with a copy of the specifications and blue prints of the drawing by the engineer on proper notice and payment of the cost of preparation. Bids must be made on the standard proposed forms in the manner designated therein and required by the specifications, must be enclosed in sealed envelopes, bearing the name and address of bidder on the outside, addressed to Borough Clerk, Belmar, N. J., and must be accompanied by a certified check or cash for not less than $1,000.00, and be delivered at the place and on the hour above named. The standard proposal form is attached to the specifications, copies of which will be furnished on application to engineer.

By order of Borough Council of Belmar.

CHARLES O. HUDNUT, Clerk.

August 30, 1916.

Bids received until Sept. 15, 1916.

Sewers and Sewage Disposal

Village of Piermont, N. Y.

Sealed proposals addressed to A. D. Cornell, Clerk of the Board of Sewer Commissioners, will be received by the Board of Sewer Commissioners of the Village of Piermont, New York, until 8 P.M., Friday, September 15th, 1916, and will be opened and read immediately thereafter by said Board, for the construction of a system of sewers and sewage disposal. The work to be estimated upon includes "Contract A," the construction of 16,540 feet of 8-inch, 10-inch, 12-inch and 15-inch pipe sewers with manholes and flush tanks, and "Contract B," a sewage-disposal plant.

A certified check for $5,000 on "Contract A" and $2,000 on "Contract B" shall accompany each proposal. The Board of Sewer Commissioners reserve the right to reject any or all bids, to award the contract to any bidder or to accept the bid submitted which in their judgment is for the best interests of the Village.

Plans and specifications can be seen at the residence of A. D. Cornell, Clerk of the Board of Sewer Commissioners, and can be seen and copies secured at the office of the engineer, Alexander Potter, Esq., 50 Church St., New York City, on or after September 1st, 1916, upon the deposit of $10.00, which will be returned if plans and specifications are returned in good condition before Sept. 15th, 1916.

CHARLES C. MAIN,
EDWARD ACKLEY,
WILLIAM N. BRADY,
Board of Sewer Commissioners.
A. D. CORNELL, Clerk.
ALEXANDER POTTER,
Consulting Engineer.

Dated Piermont, N. Y., August 25, 1916.

U. S. ENGINEER OFFICE, Louisville, Ky.—Sealed proposals for furnishing and delivering Stoney gate valves and accessories for Lock No. 41, Ohio River, will be received here until 12 noon, Central time, September 23, 1916, and then opened. Information on application.

Bids received until Sept. 21, 1916.

Street Construction

Paducah, Ky.

Sealed proposals for street construction will be received by the Commissioner of Public Works of the City of Paducah, at his office in the City Hall, until 10:00 A.M., Standard Time, on Thursday, September 21st, when they will be publicly opened and read.

The approximate total quantity of work is 27,500 square yards, divided into three contracts. Bids will be received on sheet asphalt, bitulithic, monolithic brick, and concrete. The work under one of the contracts must be done this year; the other two contracts are to be undertaken and completed in the Spring of 1917.

Each bid must be accompanied by a certified check for Five Hundred ($500.00) Dollars. The successful bidder will be required to give bond equal in amount to forty (40%) per cent. of the contract price. A five-year maintenance bond in the sum of twenty-five (25%) per cent. of the cost of the work will be required at the time of acceptance of the work.

Plans and specifications may be seen at the office of the said Commissioner, and copies of instructions for bidders, proposal, contract and specifications will be mailed on request.

The right is reserved to reject any and all bids and to waive informalities.

L. A. WASHINGTON,
Commissioner of Public Works.

Bids received until Sept. 12, 1916.

Indestructible Road Signs

Borough of Richmond, N. Y. C.

The President of the Borough of Richmond will receive bids for approximately 930 indestructible road signs until September 12th, 1916, at 12 o'clock M. Bidders are requested to furnish sample of sign, together with price for the same. Samples to be furnished at the office of the President of the Borough and the signs of the successful bidder to be delivered to the storeyard at DuBois Avenue, West New Brighton, S. I.

The sign adopted by the President of the Borough shall be complete so far as lettering, shop work for field riveting and the necessary bolts and attachments complete.

Further information may be had upon application at the office of the President of the Borough of Richmond.

Bids received until Sept. 12, 1916.

Storm Sewer

Columbus, Ohio.

Bids will be received until noon, September 12, 1916, for Section 3, Third Av. Relief Sewer; estimated cost, $65,000.

4,700 lin.ft. 72"	500 lin.ft. 60"
1,530 lin.ft. 24"	1,150 lin.ft. 20"
810 lin.ft. 18"	170 lin.ft. 15"

with catchbasins, manholes, etc.

Bidding blanks and information from Henry Maetzel, Chief Engineer, City Hall Columbus, Ohio.